SNS SQS CW

SNS SIMPLE NOTIFICATION SERVICE

SQS SIMPLE QUEING SERVICE

CW CLOUD WATCH IS MONITORING

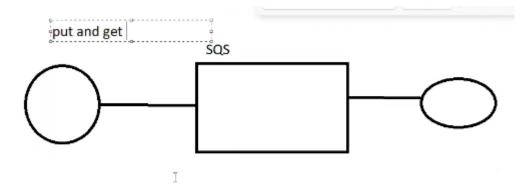
APPLICATION ENGINEERING

COMMUNICATION

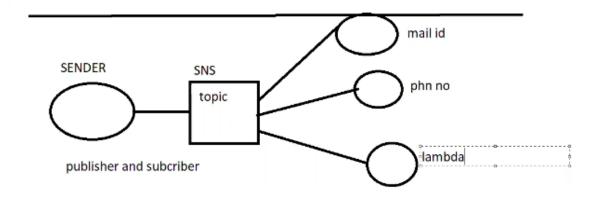
Synchronous - eg phone call sender and receiver

Asynchronous - eg text messages sender must be there receiver not

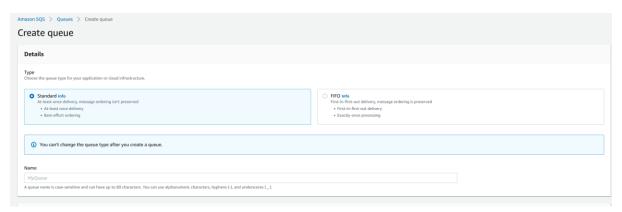
SQS



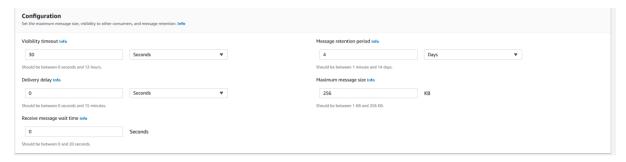
SNS



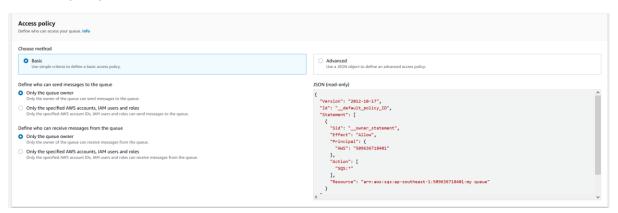
(*) select create queue



(*) configuration

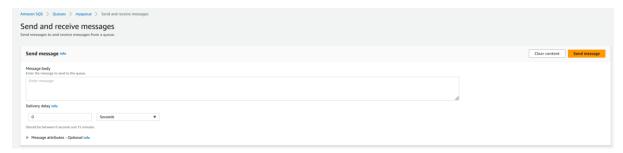


(*) access policy

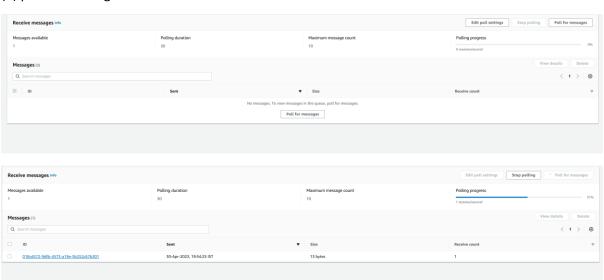


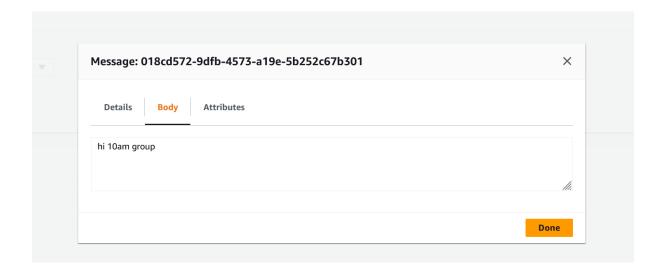


(*) send and receive messages



(*) poll for messages





SNS SIMPLE NOTIFICATION SERVICE

machine to machine application to application application to person

Application-to-application (A2A)

Amazon SNS is a managed messaging service that lets you decouple publishers from subscribers. This is useful for application-to-application messaging for microservices, distributed systems, and serverless applications. Learn more



Application-to-person (A2P)

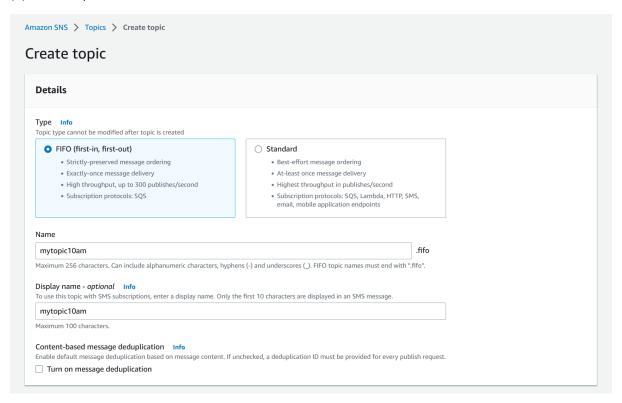
Amazon SNS lets you send push notifications to mobile apps, text messages to mobile phone numbers, and plain-text emails to email addresses. You can fan out messages with a topic, or publish to mobile endpoints directly. Learn more

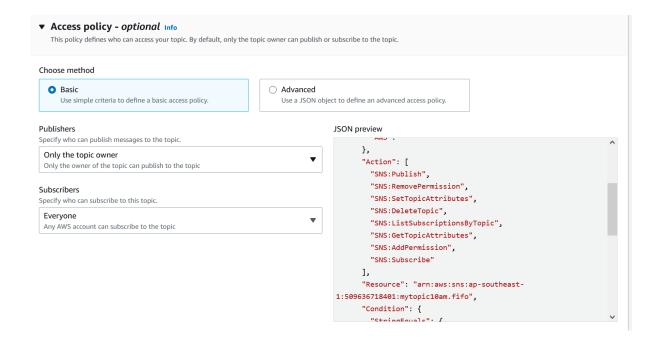


(*) CREATE A TOPIC



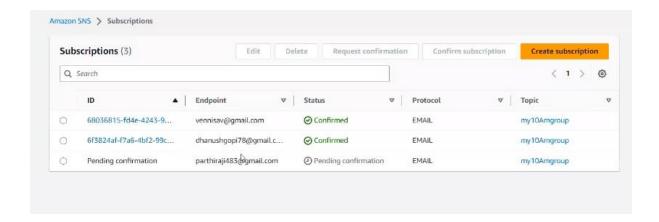
(*) create topic



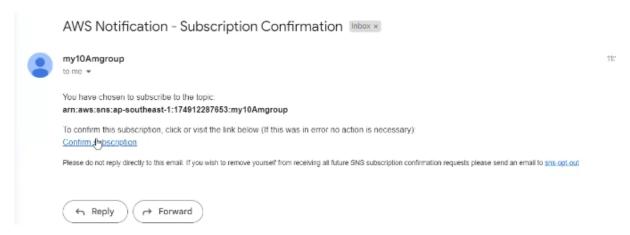




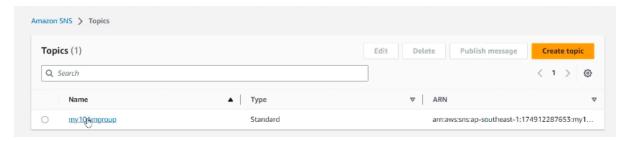
(*) create subscription

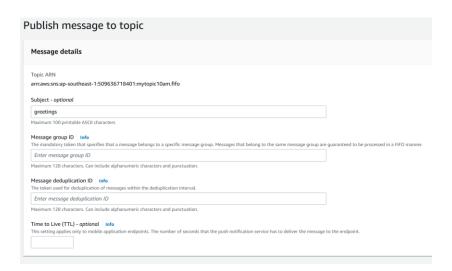


(*) confirm subscription

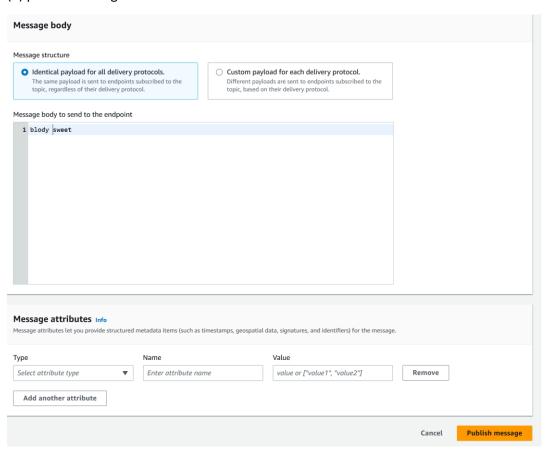


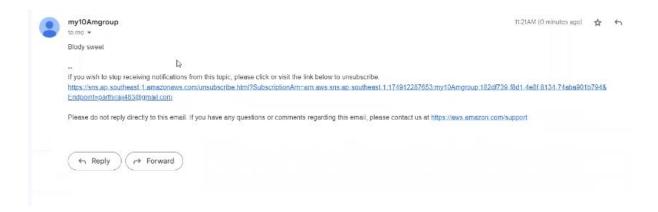
(*) publish message



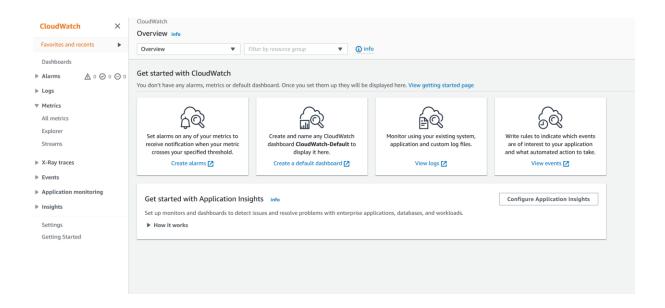


(*) publish message

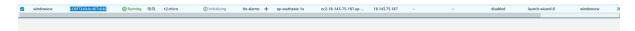




CW CLOUD WATCH IS MONITORING

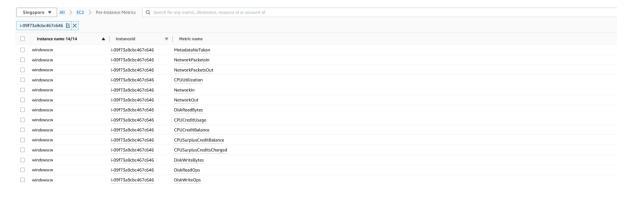


(*) launch an ec2 instance

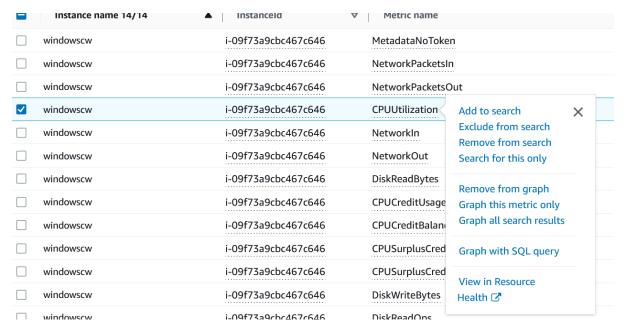


(*) copy the instance id and paste it in cloud watch



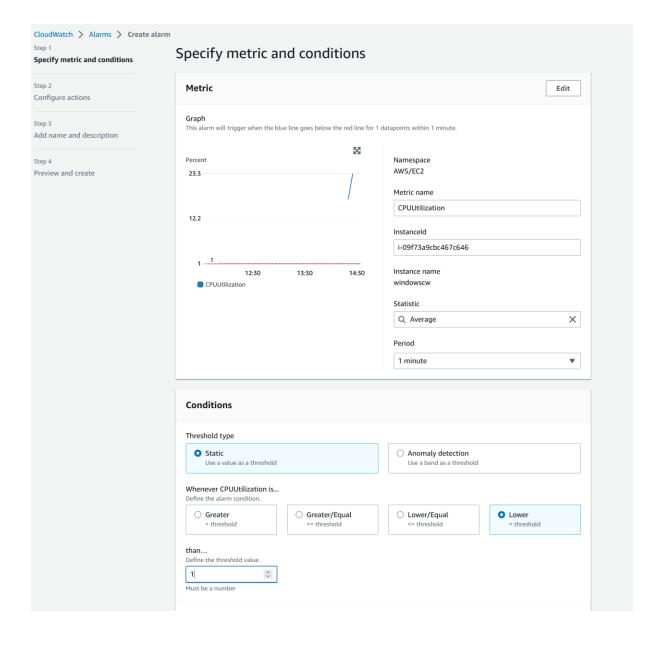


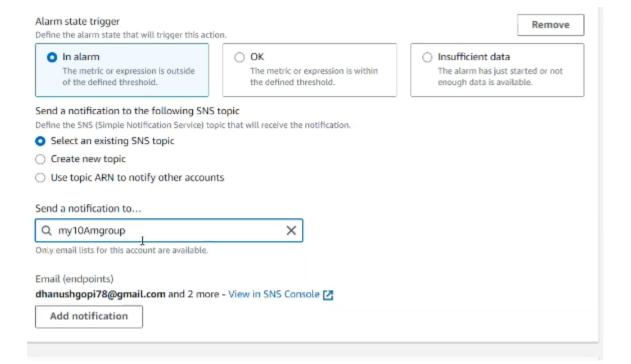
(*) cpu utilization add to graph

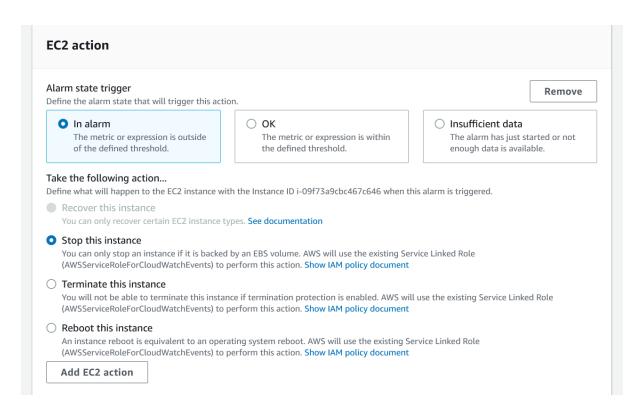


(*) select graphed metrics

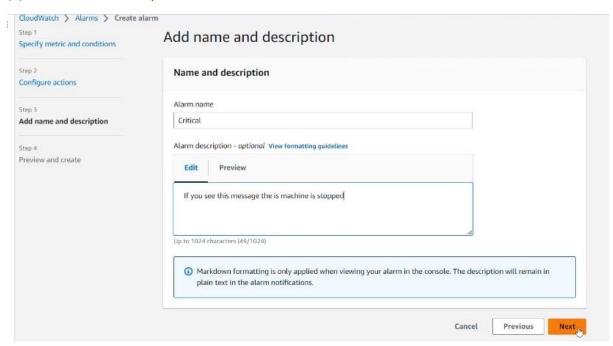




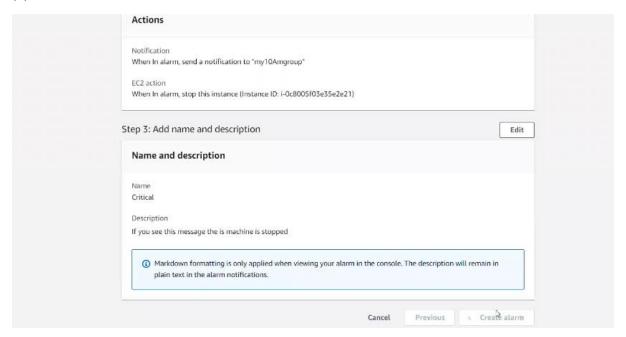




(*) add name and description



(*) review and create alarm



Notification

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View this alarm in the AWS Management Console.

https://ap-southeast-1.console.aws.amazon.com/cloudwatch/deeplink.js?region=ap-southeast-1#alarmsV2.alarm/Critical

Alarm Details.

- Name:

If you see this message the is machine is stopped - Description:

State Change: INSUFFICIENT_DATA > ALARM

Reason for State Change: Threshold Crossed: 1 out of the last 1 datapoints [0.1994535519125682 (21/04/23 05:58:00)] was less than the threshold (1.0) (minimum

ALARM transition).

- Timestamp: Friday 21 April: 2023 06.04:11 UTC
- AWS Account: 174912287653

arn:aws:cloudwatch:ap-southeast-1:174912287653:alarm:Cntical - Alarm Am.

Threshold:

- The alarm is in the ALARM state when the metric is LessThanThreshold 1.0 for at least 1 of the last 1 period(s) of 60 seconds.

Monitored Metric:

 - Period
 60 seconds

 - Statistic:
 Average

 - Unit
 not specified
 - Unit - TreatMissingData: missing