SQS,SNS,CW,CT

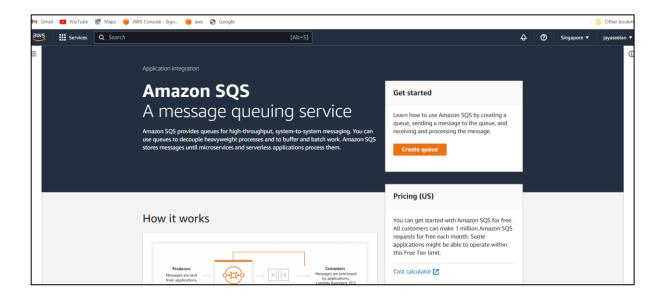
SQS

Simple queue service

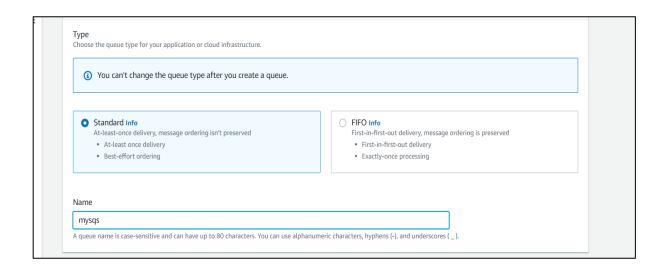
Amazon Simple Queue Service (SQS) lets you send, store, and receive messages between software components at any volume, without losing messages or requiring other services to be available.

Steps to create SQS

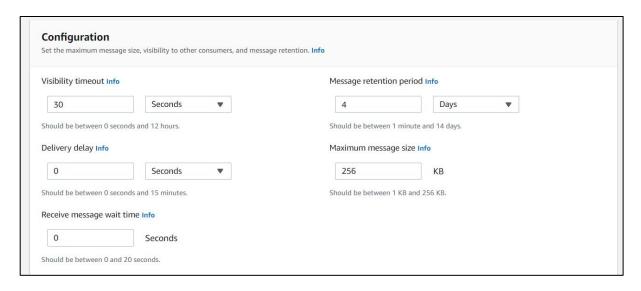
Step1.1:create queue



Step1.2:select type---->standard---->name(any)

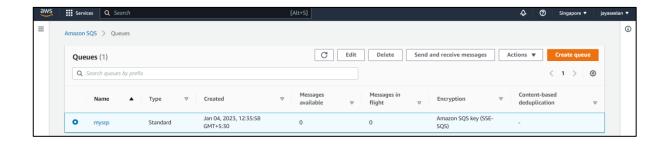


Step1.3:configuration



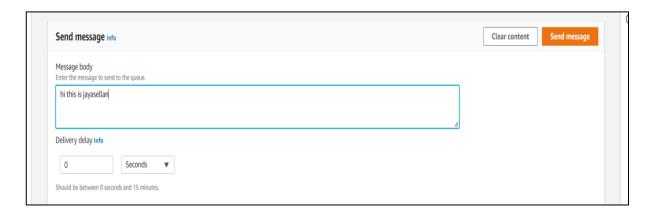
Step1.4:create queue





queue created...

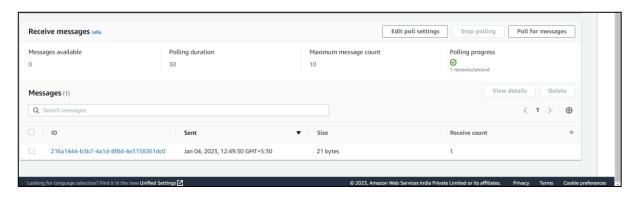
Step2:send and received message---->message body(any type)---->send message



message has been sent



Step2.1: Poll For Message Click--->Message Wil Recieved



Click id --->shown all details



SNS

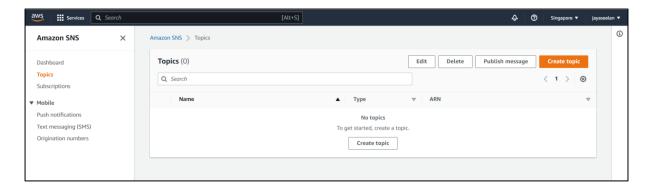
Simple Notification Service

Amazon Simple Notification Service (Amazon SNS) is a managed service that provides message delivery from publishers to subscribers (also known as *producers* and *consumers*).

Publishers communicate asynchronously with subscribers by sending messages to a *topic*, which is a logical access point and communication channel.

Clients can subscribe to the SNS topic and receive published messages using a supported endpoint type, such as Amazon Kinesis Data Firehose, Amazon SQS, AWS Lambda, HTTP, email, mobile push notifications, and mobile text messages (SMS).

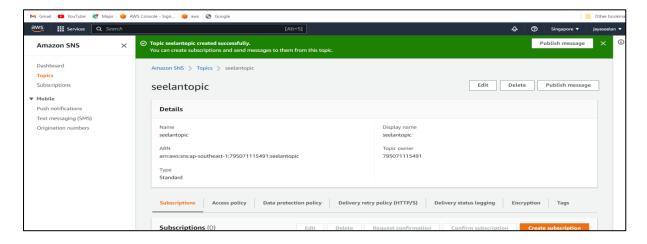
Step1:Create Topic(Group)



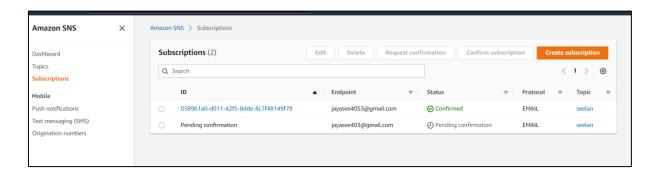
Step1.1:details---->select type(standard)--->name(any)--->display name(any)--->create topic



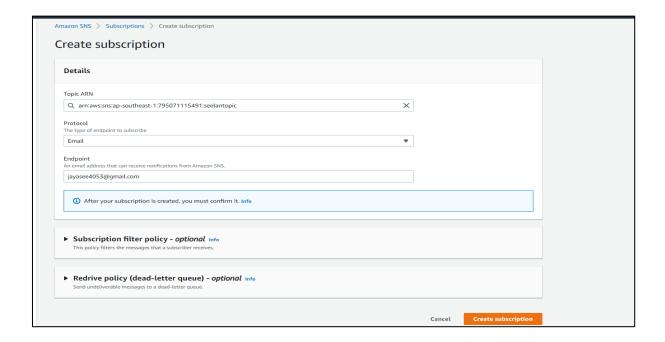
Topic created..



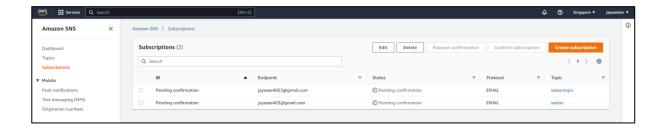
Step2:Create Subscribtion(members)



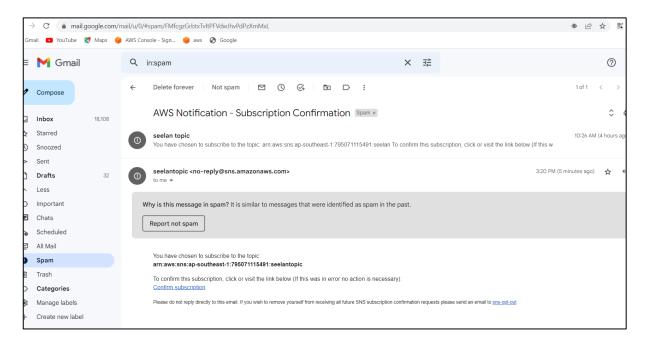
Step2.1:select topic---->protocol(email)----->endpoint(mail id)---->create subscribtion



Subscribtion created...



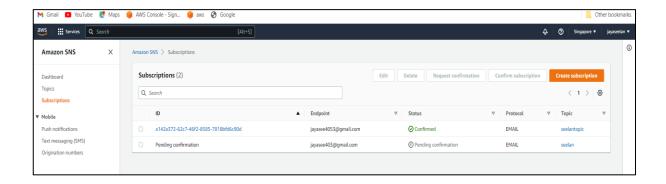
Step2.2:confirmation subscribtion---->subscribtion status(change for confirmed)----->given mail go---->spam msg---->click --->aws msg received(click)----->confirm subsribtion--->status will change confirmed.



Subscribtion confirmed....



Now check subscribtion status(confirmed..)

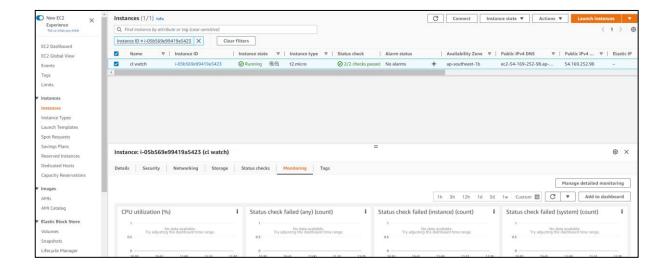


CLOUDWATCH

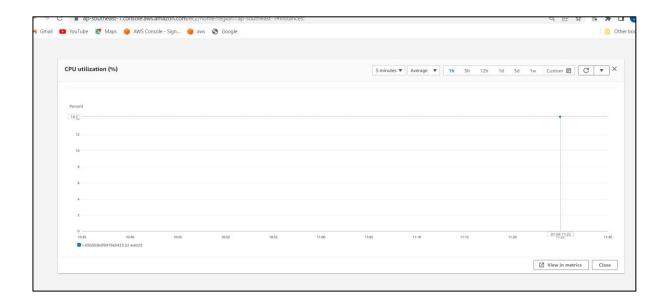
CloudWatch enables you to monitor your complete stack (applications, infrastructure, and services) and use alarms, logs, and events data to take automated actions and reduce mean time to resolution (MTTR).

This frees up important resources and allows you to focus on building applications and business value.

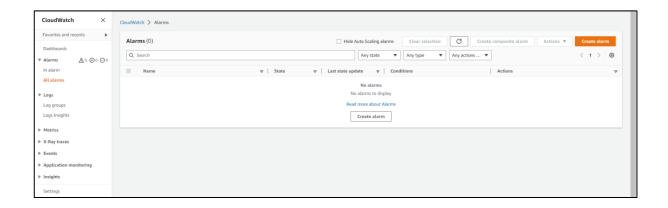
Step1:Create Instance---->cpu utilization--->check cpu utilization ratio



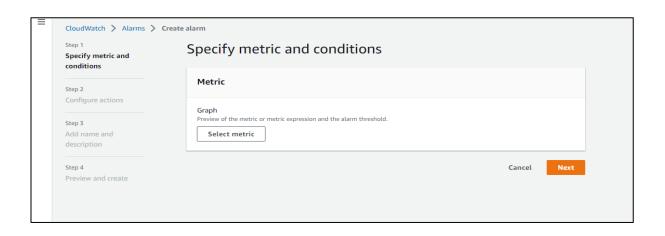
cpu utilization ratio=14.2



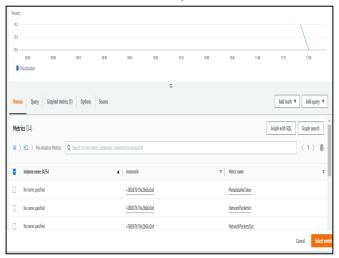
Step2:Cloud Watch--->Allarams---->Create Alaram

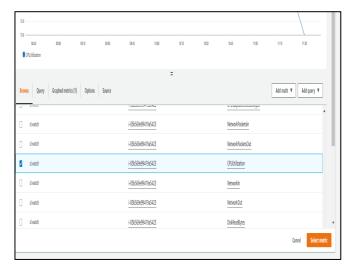


Step2.1:select matric--->ec2---> pre-instance metrices

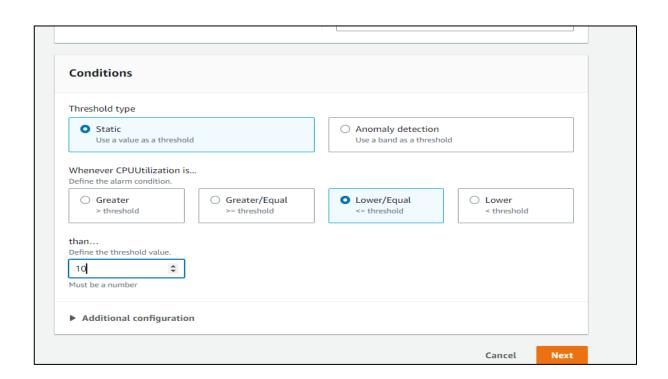


select instance cpu utilization---->select metrix

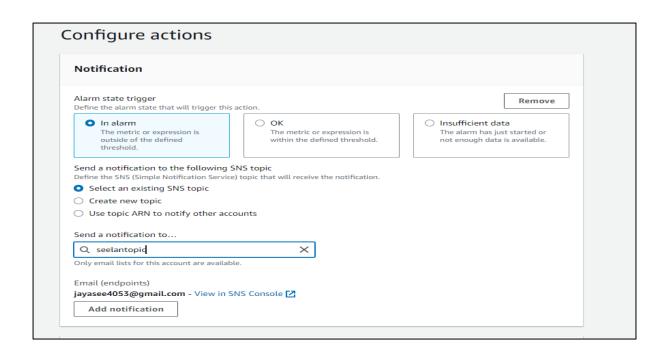




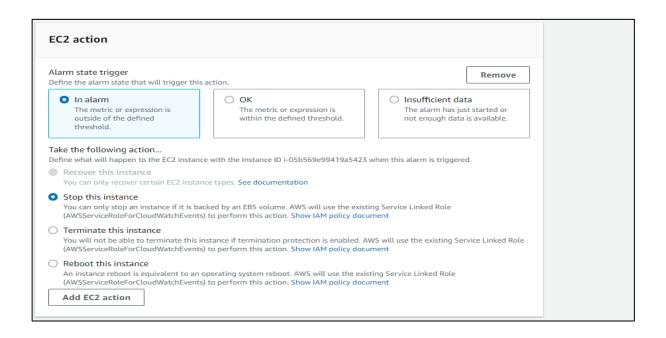
Step2.2:Condition---->Threshold Type(Static)--->Lower/Equal---->Than(Cpu Utilization 14 So Give 10)---->Next



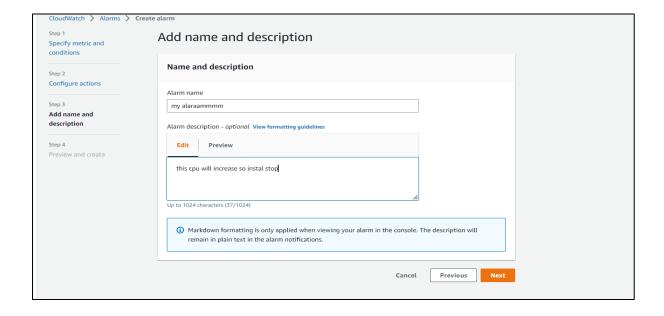
Step2.3:Configuration Action---->Notification---->In Alaram---->Select Existing Sns Topic--->Select Topic



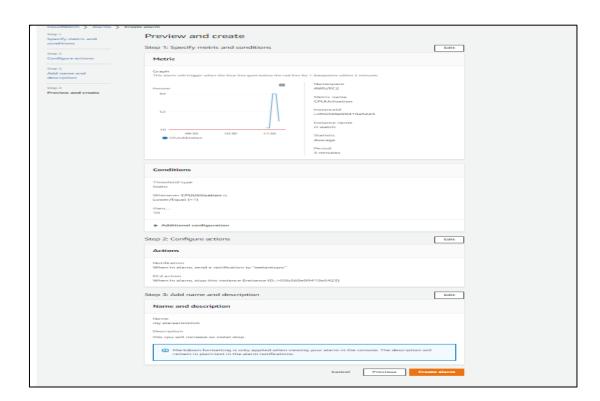
Step2.4:Ec2 Action---->In Alaram--->Take Following Action(Any One Select)--->Stop This Instance--->Next.



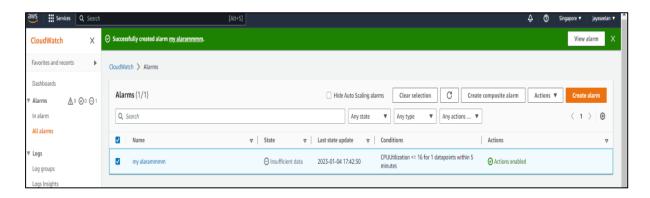
Step2.5:Add Name & Description---->Alaram Name(Any)---->Alaram Description(Any Content Type)---->Next

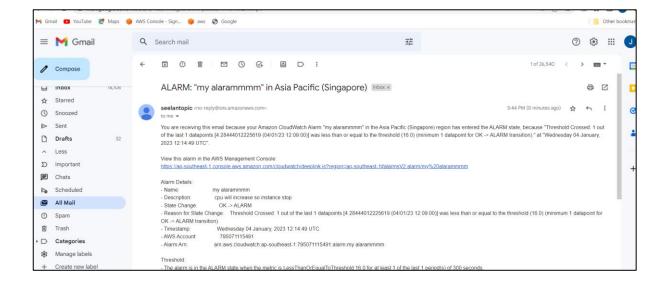


Step2.6:preview and create---->create alaram

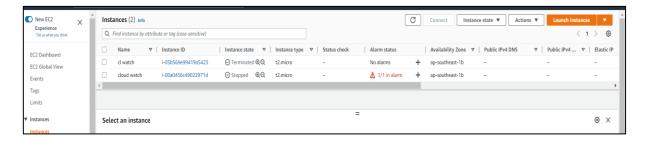


Alaram create ---->wait for state(insufficient data to alaram)





instance will stoped..

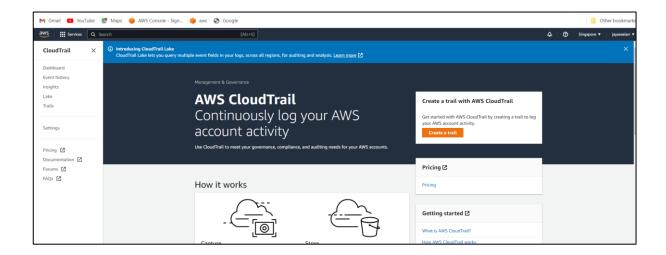


conditions apply ok...

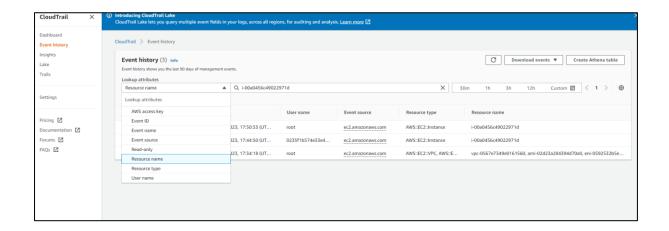
CLOUD TRIAL:

CloudTrail enables auditing, security monitoring, and operational troubleshooting by tracking user activity and API usage.

CloudTrail logs, continuously monitors, and retains account activity related to actions across your AWS infrastructure, giving you control over storage, analysis, and remediation actions.



Step1:Event History--->Resource Name--->Instance Ip Copy And Put---->It Show Log History



Detail saw histry click--->history name--->show full history