

# SNS,SES & CLOUD WATCH

Ques 1. monitor Your Estimated Charges Using CloudWatch

Step 1: Enable Billing Alerts

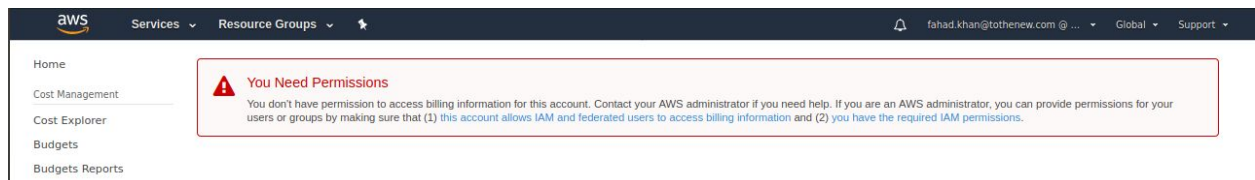
Step 2: Create a Billing Alarm

Step 3: Check the Alarm Status

Step 4: Create & Subscribe to SNS Topic

Step 5: Send a notification to all the stakeholder, if AWS resource pricing reaches the threshold value.

Ans 1. Step 1.

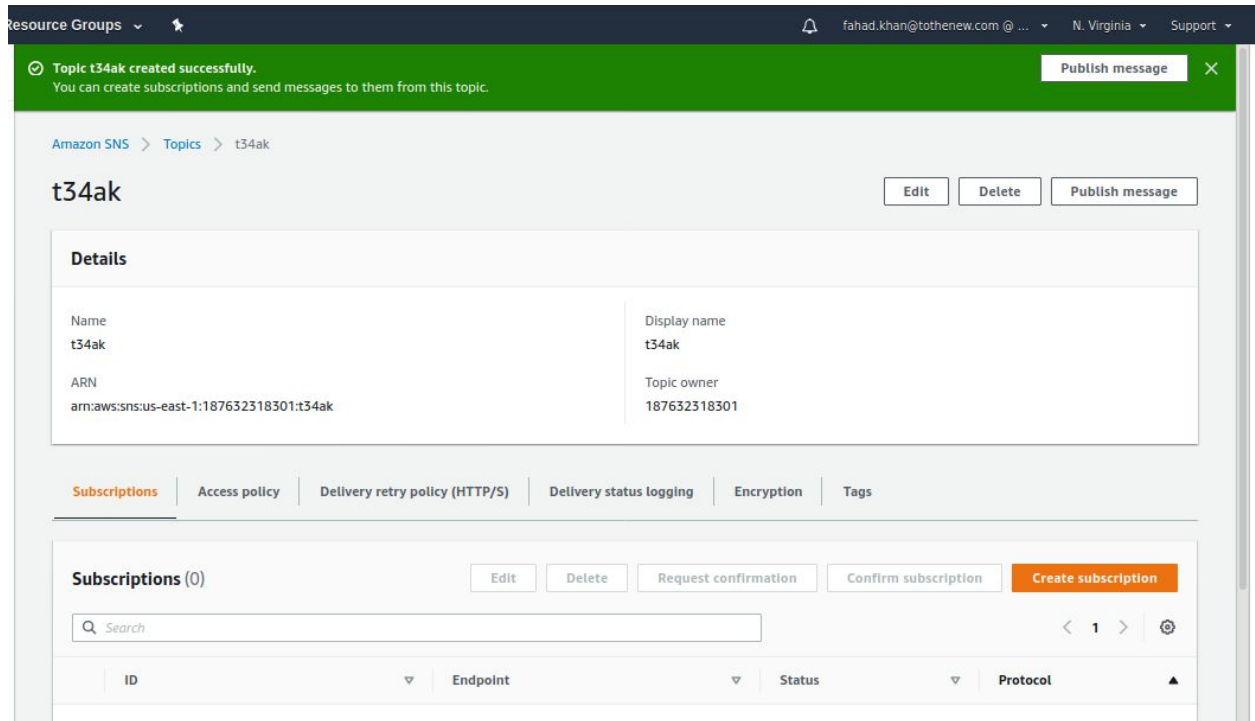


Ques 2. . Create a custom Memory metric in CloudWatch and set up an alarm at 80 % which will autoscale the instance in the autoscaling group.

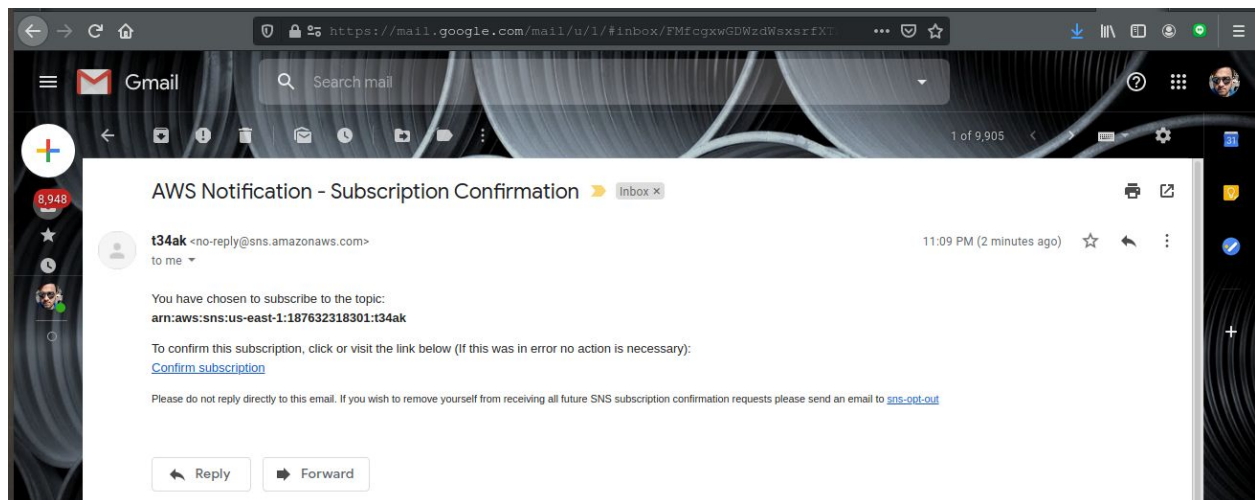
Ans 2.

Ques 3. Create SNS topics, subscribe to a topic, publish messages, unsubscribe the message and delete the topic.

Ans 3. First i created the sns topic



Then the confirmation message comes from the registered email.





## Simple Notification Service

### Subscription confirmed!

You have subscribed stuntioflr@gmail.com to the topic:  
**t34ak.**

Your subscription's id is:  
**arn:aws:sns:us-east-1:187632318301:t34ak:3657f6bb-223f-424f-9baf-3712224f615f**

If it was not your intention to subscribe, [click here to unsubscribe](#).

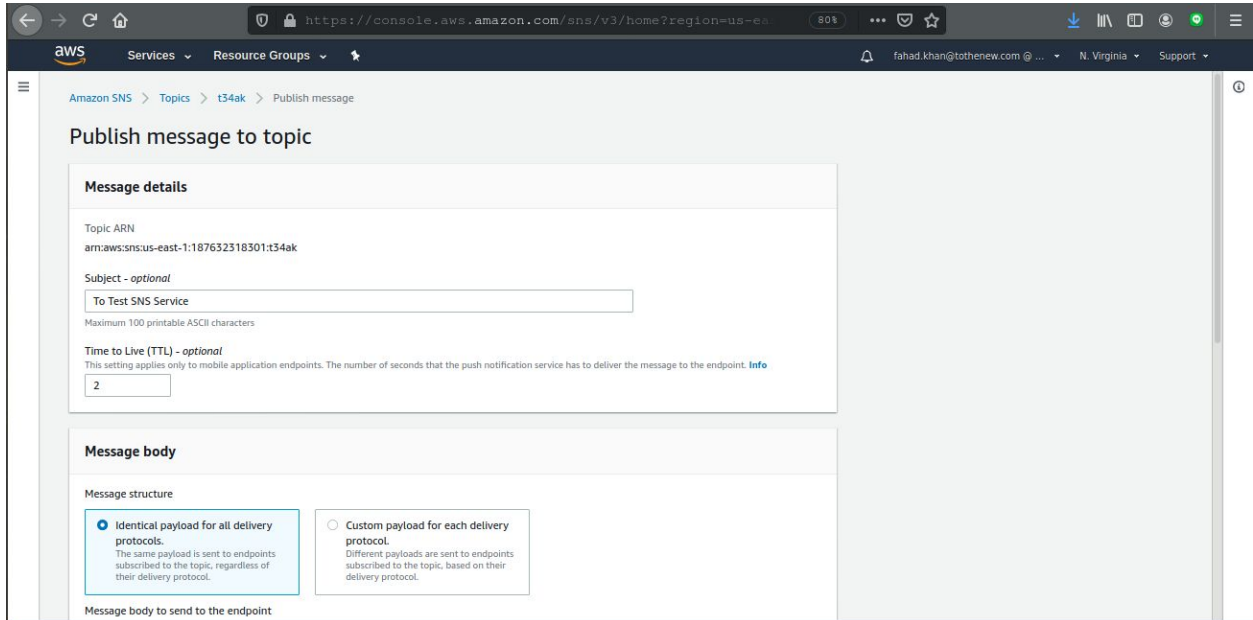
The message published successfully

The screenshot shows the AWS Management Console interface. At the top, a green banner displays a success message: "Subscription to t34ak created successfully. The ARN of the subscription is arn:aws:sns:us-east-1:187632318301:t34ak:3657f6bb-223f-424f-9baf-3712224f615f." Below this, the breadcrumb navigation is "Amazon SNS > Topics > t34ak > Subscription: 3657f6bb-223f-424f-9baf-3712224f615f". The main heading is "Subscription: 3657f6bb-223f-424f-9baf-3712224f615f" with "Edit" and "Delete" buttons. A "Details" section contains a table with the following information:

Details	
ARN	Status
arn:aws:sns:us-east-1:187632318301:t34ak:3657f6bb-223f-424f-9baf-3712224f615f	⌚ Pending confirmation
Endpoint	Protocol
stuntioflr@gmail.com	EMAIL
Topic	
t34ak	

At the bottom, there are two tabs: "Subscription filter policy" (selected) and "Redrive policy (dead-letter queue)".

Now we have to go the TOPIC wwhich we have created then click on publish message



The screenshot shows the AWS Management Console interface for publishing a message to an SNS topic. The breadcrumb navigation at the top reads: Amazon SNS > Topics > t34ak > Publish message. The main heading is "Publish message to topic".

**Message details**

- Topic ARN:** `arn:aws:sns:us-east-1:187632318301:t34ak`
- Subject - optional:** A text input field contains "To Test SNS Service". Below the field, it says "Maximum 100 printable ASCII characters".
- Time to Live (TTL) - optional:** A text input field contains "2". Below the field, it says "This setting applies only to mobile application endpoints. The number of seconds that the push notification service has to deliver the message to the endpoint. [Info](#)".

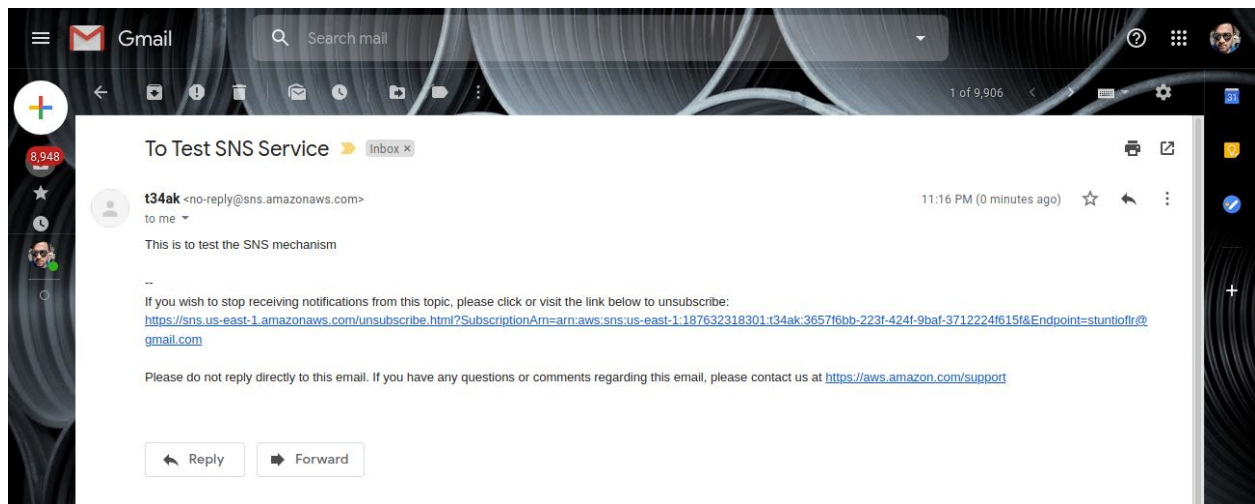
**Message body**

**Message structure**

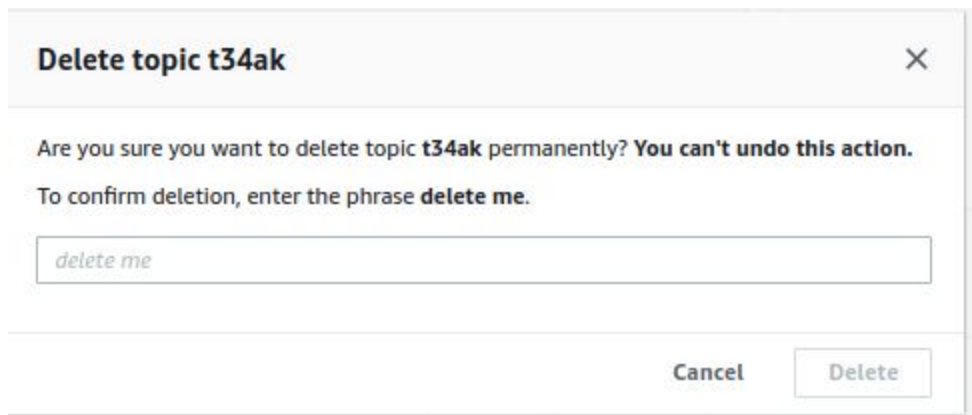
- ☒ **Identical payload for all delivery protocols.**  
The same payload is sent to endpoints subscribed to the topic, regardless of their delivery protocol.
- ☐ **Custom payload for each delivery protocol.**  
Different payloads are sent to endpoints subscribed to the topic, based on their delivery protocol.

Message body to send to the endpoint

Now open the mail id and hence we can see the mail successfully published

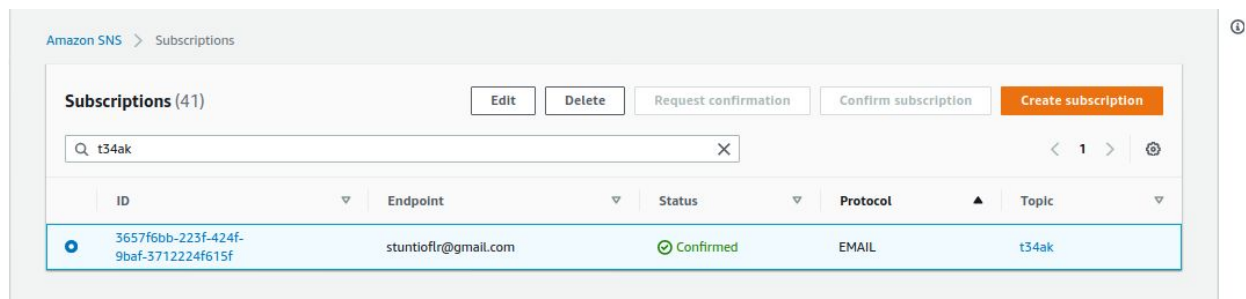


For deleting the SNS TOPIC and SUBSCRIPTION we have to go to the topic the click on delete button it will ask for the confirmation type delete me



A confirmation dialog box titled "Delete topic t34ak" with a close button (X) in the top right corner. The text inside reads: "Are you sure you want to delete topic **t34ak** permanently? You can't undo this action." followed by "To confirm deletion, enter the phrase **delete me**." Below this is a text input field containing the text "delete me". At the bottom right are two buttons: "Cancel" and "Delete".

To delete the subscription we first have to go to the subscription tag select our subscription then click on delete button



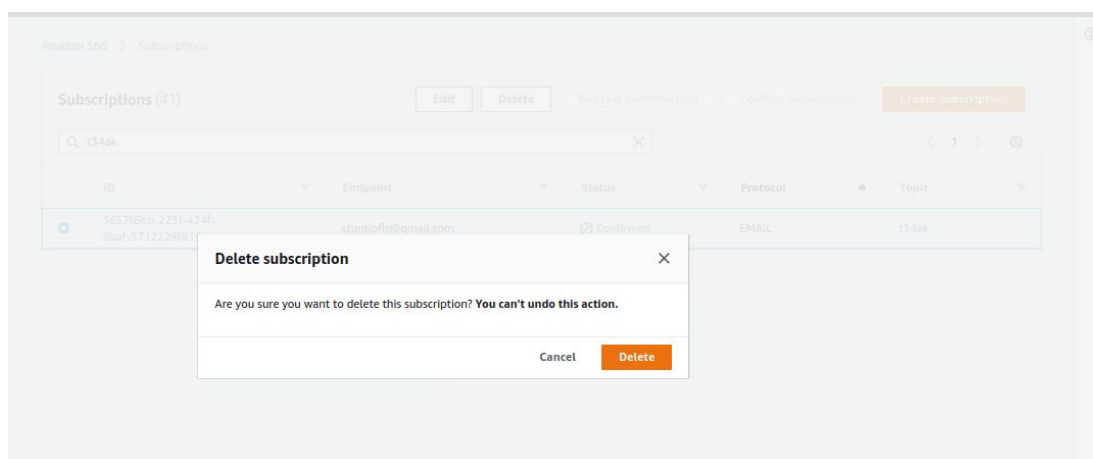
Amazon SNS > Subscriptions

Subscriptions (41)

Buttons: Edit, Delete, Request confirmation, Confirm subscription, Create subscription

Search: t34ak

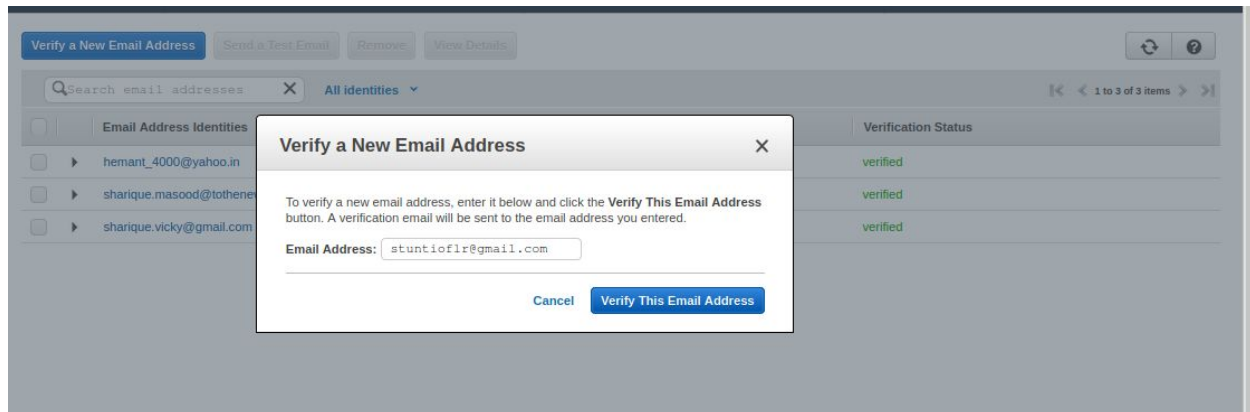
ID	Endpoint	Status	Protocol	Topic
3657f6bb-223f-424f-9baf-3712224f615f	stuntioflr@gmail.com	Confirmed	EMAIL	t34ak



A confirmation dialog box titled "Delete subscription" with a close button (X) in the top right corner. The text inside reads: "Are you sure you want to delete this subscription? You can't undo this action." Below this is a text input field. At the bottom right are two buttons: "Cancel" and "Delete".

Ques 4. Send a sample mail using SES.

Ans 4. To send the sample mail as a service we have to go to the SES then select email address tab then click on verify a new email address



Then a verification email is sent to the listed email

