

SNS in AWS

Launch AWS Academy Learner Lab

Dashboard | Simple Notification

Ethernet Adapter Driver Fix

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/dashboard

aws

Search

[Alt+S]

United States (N. Virginia)

voclabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081

Amazon SNS

Dashboard

Topics

Subscriptions

▼ Mobile

Push notifications

Text messaging (SMS)

New Feature

Amazon SNS now supports High Throughput FIFO topics. [Learn more](#)

Dashboard

Resources for us-east-1

Topics

1

Platform applications

0

Subscriptions

1

▼ Overview of Amazon SNS

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](#)

Dead-letter queue

If an endpoint is unavailable, messages can be held in a dead-letter queue for analysis or reprocessing.

AWS Lambda

Amazon SQS

Amazon Kinesis Data Firehose

HTTP/HTTPS

CloudShell

Feedback

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Topics | Simple Notification Ser

Ethernet Adapter Driver Fix

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/topics

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Topics (1)

Edit

Delete

Publish message

Create topic

Search

< 1 >

	Name	Type	ARN
<input type="radio"/>	RedshiftSNS	Standard	arn:aws:sns:us-east-1:826918265081:RedshiftS...

CloudShell

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SNS in AWS

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Create topic | Topics | Simple N

Ethernet Adapter Driver Fix

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/create-topic

Search [Alt+S]

United States (N. Virginia)

voclabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081

Amazon SNS

Topics

Create topic

New Feature

Amazon SNS now supports High Throughput FIFO topics. [Learn more](#)

Details

Type [Info](#)

Topic type cannot be modified after topic is created

☐ FIFO (first-in, first-out)

- Strictly-preserved message ordering
- Exactly-once message delivery
- Subscription protocols: SQS

☒ Standard

- Best-effort message ordering
- At-least once message delivery
- Subscription protocols: SQS, Lambda, Data Firehose, HTTP, SMS, email, mobile application endpoints

Name

kmit

Maximum 256 characters. Can include alphanumeric characters, hyphens (-) and underscores (_).

Display name - optional [Info](#)

To use this topic with SMS subscriptions, enter a display name. Only the first 10 characters are displayed in an SMS message.

My Topic

Maximum 100 characters.

Encryption - optional

Amazon SNS provides in-transit encryption by default. Enabling server-side encryption adds at-rest encryption to your topic.

CloudShell

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Create topic | Topics | Simple N

Ethernet Adapter Driver Fix

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/create-topic

Search [Alt+S]

United States (N. Virginia)

voclabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081

Amazon SNS

Topics

Create topic

Access policy - optional [Info](#)

This policy defines who can access your topic. By default, only the topic owner can publish or subscribe to the topic.

Data protection policy - optional [Info](#)

This policy defines which sensitive data to monitor and to prevent from being exchanged via your topic.

Delivery policy (HTTP/S) - optional [Info](#)

The policy defines how Amazon SNS retries failed deliveries to HTTP/S endpoints. To modify the default settings, expand this section.

Delivery status logging - optional [Info](#)

These settings configure the logging of message delivery status to CloudWatch Logs.

Tags - optional

A tag is a metadata label that you can assign to an Amazon SNS topic. Each tag consists of a key and an optional value. You can use tags to search and filter your topics and track your costs. [Learn more](#)

Active tracing - optional [Info](#)

Use AWS X-Ray active tracing for this topic to view its traces and service map in Amazon CloudWatch. Additional costs apply.

Cancel

Create topic

CloudShell

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SNS in AWS

The screenshot displays the AWS SNS console interface. The top navigation bar shows the AWS logo, a search bar, and the current region (United States (N. Virginia)). The breadcrumb trail indicates the path: Amazon SNS > Topics > kmit. The left sidebar contains the 'Amazon SNS' menu with options for Dashboard, Topics, Subscriptions, and Mobile. The main content area shows the details for the 'kmit' topic, including its Name, ARN, Type, Display name, and Topic owner. Below the details, there are tabs for Subscriptions, Access policy, Data protection policy, Delivery policy (HTTP/S), Delivery status logging, and Encryption. The 'Subscriptions' tab is active, showing a table with columns for ID, Endpoint, Status, and Protocol. A message at the bottom of the table states 'No subscriptions found' and 'You don't have any subscriptions to this topic.' A 'Create subscription' button is visible at the bottom of the table.

Launch AWS Academy Learner Lab kmit | Topics | Simple Notification Ethernet Adapter Driver Fix

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/topic/arn:aws:sns:us-east-1:826918265081:kmit

Amazon SNS > Topics > kmit

Amazon SNS

- Dashboard
- Topics
- Subscriptions
- ▼ Mobile
 - Push notifications
 - Text messaging (SMS)

kmit Edit Delete Publish message

Details

Name kmit	Display name -
ARN arn:aws:sns:us-east-1:826918265081:kmit	Topic owner 826918265081
Type Standard	

< Subscriptions Access policy Data protection policy Delivery policy (HTTP/S) Delivery status logging Encrypt >

Subscriptions (0) Edit Delete Request confirmation Confirm subscription Create subscription

Search

ID	Endpoint	Status	Protocol
No subscriptions found			

No subscriptions found

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Launch AWS Academy Learner Lab kmit | Topics | Simple Notification Ethernet Adapter Driver Fix

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/topic/arn:aws:sns:us-east-1:826918265081:kmit

Amazon SNS > Topics > kmit

Amazon SNS

- Dashboard
- Topics
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- ▼ Mobile
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kmit Edit Delete Publish message

Details

Name kmit	Display name -
ARN arn:aws:sns:us-east-1:826918265081:kmit	Topic owner 826918265081
Type Standard	

< Subscriptions Access policy Data protection policy Delivery policy (HTTP/S) Delivery status logging Encrypt >

Subscriptions (0) Edit Delete Request confirmation Confirm subscription Create subscription

Search

ID	Endpoint	Status	Protocol
No subscriptions found You don't have any subscriptions to this topic.			

Create subscription

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SNS in AWS

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Create subscription | Subscrip...

Ethernet Adapter Driver Fix

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/create-subscription

Search [Alt+S]

United States (N. Virginia)

voclabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081

Amazon SNS > Subscriptions > Create subscription

New Feature
Amazon SNS now supports High Throughput FIFO topics. [Learn more](#)

Create subscription

Details

Topic ARN

Protocol
The type of endpoint to subscribe

Endpoint
An email address that can receive notifications from Amazon SNS.

After your subscription is created, you must confirm it. [Info](#)

Subscription filter policy - optional [Info](#)
This policy filters the messages that a subscriber receives.

Redrive policy (dead-letter queue) - optional [Info](#)
Send undeliverable messages to a dead-letter queue.

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Launch AWS Academy Learner Lab

Subscription: 0821a295-d6f4-46fd-b511-ab40247013a0

Ethernet Adapter Driver Fix

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/subscription/arn:aws:sns:us-east-1:826918265081:kmit:0821a295-d6f4-46fd-b511-ab40247013a0

Search [Alt+S]

United States (N. Virginia)

voclabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081

Amazon SNS > Topics > kmit > Subscription: 0821a295-d6f4-46fd-b511-ab40247013a0

Amazon SNS

Dashboard

Topics

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Subscription to kmit created successfully.
The ARN of the subscription is arn:aws:sns:us-east-1:826918265081:kmit:0821a295-d6f4-46fd-b511-ab40247013a0.

Subscription: 0821a295-d6f4-46fd-b511-ab40247013a0 [Edit](#) [Delete](#)

Details

ARN
arn:aws:sns:us-east-1:826918265081:kmit:0821a295-d6f4-46fd-b511-ab40247013a0

Status
Pending confirmation

Endpoint
reddyprasad.kmit@gmail.com

Protocol
EMAIL

Topic
[kmit](#)

Subscription Principal
arn:aws:iam::826918265081:role/voclabs

Subscription filter policy

Redrive policy (dead-letter queue)

Subscription filter policy [Info](#)
This policy filters the messages that a subscriber receives.

No filter policy configured for this subscription.

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SNS in AWS

The image shows two screenshots of the AWS SNS console. The top screenshot displays the 'Topics' page, which lists two topics: 'kmit' and 'RedshiftSNS'. The 'kmit' topic is selected. The bottom screenshot shows the 'Publish message to topic' page for the 'kmit' topic. It includes fields for 'Topic ARN', 'Subject - optional', 'Time to Live (TTL) - optional', and 'Message body'. The 'Message body' section has two radio buttons: 'Identical payload for all delivery protocols' (selected) and 'Custom payload for each delivery protocol'. The 'Message body to send to the endpoint' field contains the text 'hello frmo kmit tankbund'.

Amazon SNS > Topics

Topics (2)

Name	Type	ARN
<input checked="" type="radio"/> kmit	Standard	arn:aws:sns:us-east-1:826918265081:kmit
<input type="radio"/> RedshiftSNS	Standard	arn:aws:sns:us-east-1:826918265081:RedshiftS...

Publish message to topic

Message details

Topic ARN
arn:aws:sns:us-east-1:826918265081:kmit

Subject - optional
TESTING
Maximum 100 printable ASCII characters

Time to Live (TTL) - optional [Info](#)
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.

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

1 hello frmo kmit tankbund

SNS in AWS

The image shows two screenshots from a web browser. The top screenshot is the AWS SNS console's 'Publish message' page. The browser address bar shows the URL: `us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/publish/topic/arn:aws:sns:us-east-1:826918265081:kmit`. The console shows a message body with the text `1 hello frmo kmit tankbund`. Below the message body, there is a section for 'Message attributes' with a table for adding attributes. The bottom screenshot shows a Gmail inbox with an email titled 'AWS Notification - Subscription Confirmation'. The email content states: 'You have chosen to subscribe to the topic: `arn:aws:sns:us-east-1:826918265081:kmit`. To confirm this subscription, click or visit the link below (If this was in error no action is necessary): [Confirm subscription](#). Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to [sns-opt-out](#)'.

Launch AWS Academy Learner Lab Publish message | kmit | Topics Ethernet Adapter Driver Fix

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/publish/topic/arn:aws:sns:us-east-1:826918265081:kmit

Amazon SNS > Topics > kmit > Publish message

regardless of their delivery protocol. based on their delivery protocol.

Message body to send to the endpoint

```
1 hello frmo kmit tankbund
```

Message attributes [Info](#)

Message attributes let you provide structured metadata items (such as timestamps, geospatial data, signatures, and identifiers) for the message.

Type	Name	Value	
Select attribute type	Enter attribute name	value or ["value1", "value2"]	Remove

[Add another attribute](#)

[Cancel](#) [Publish message](#)

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AWS Notification - Subscription Confirmation

mail.google.com/mail/u/1/#inbox/FMfcgzQbdrPHQcvZfVkrfGqZdPiMkqCV

Compose

Inbox

Starred

Snoozed

Sent

Drafts

More

Labels

Search mail

1 of 1

AWS Notification - Subscription Confirmation [Inbox x](#)

AWS Notifications <no-reply@sns.amazonaws.com> to me

10:53 (0 minutes ago) ☆ 😊 ↶ ⋮

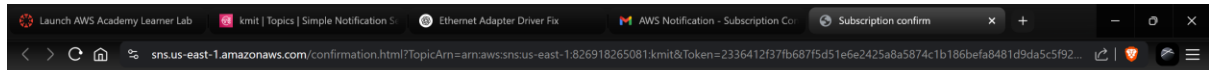
You have chosen to subscribe to the topic:
`arn:aws:sns:us-east-1:826918265081:kmit`

To confirm this subscription, click or visit the link below (If this was in error no action is necessary):
[Confirm subscription](#)

Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to [sns-opt-out](#)

↶ Reply ↷ Forward 🗨

SNS in AWS

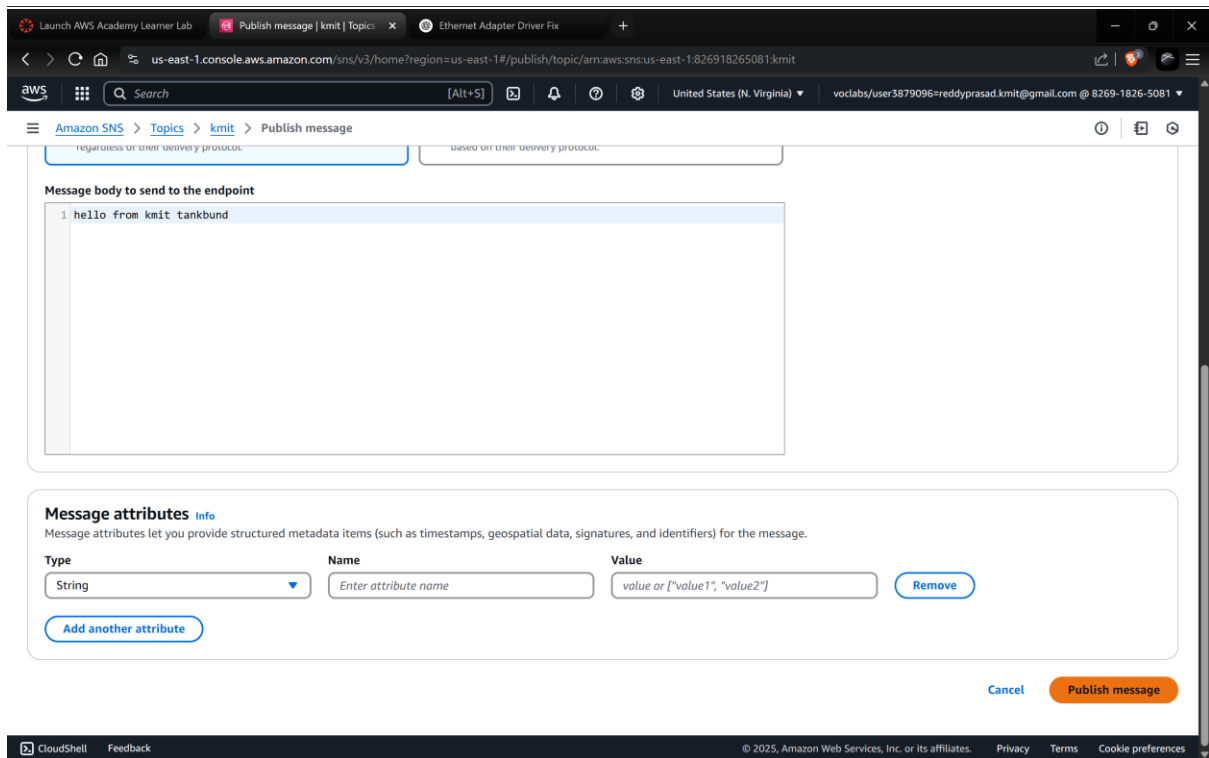


Subscription confirmed!

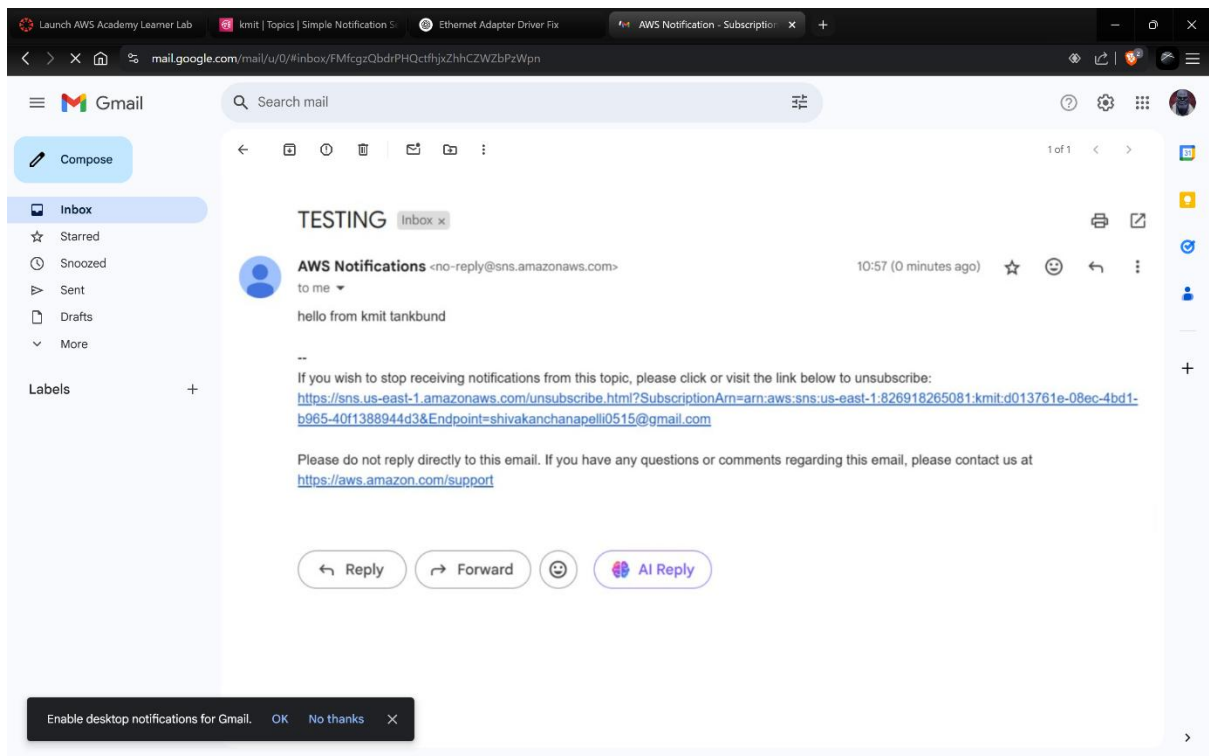
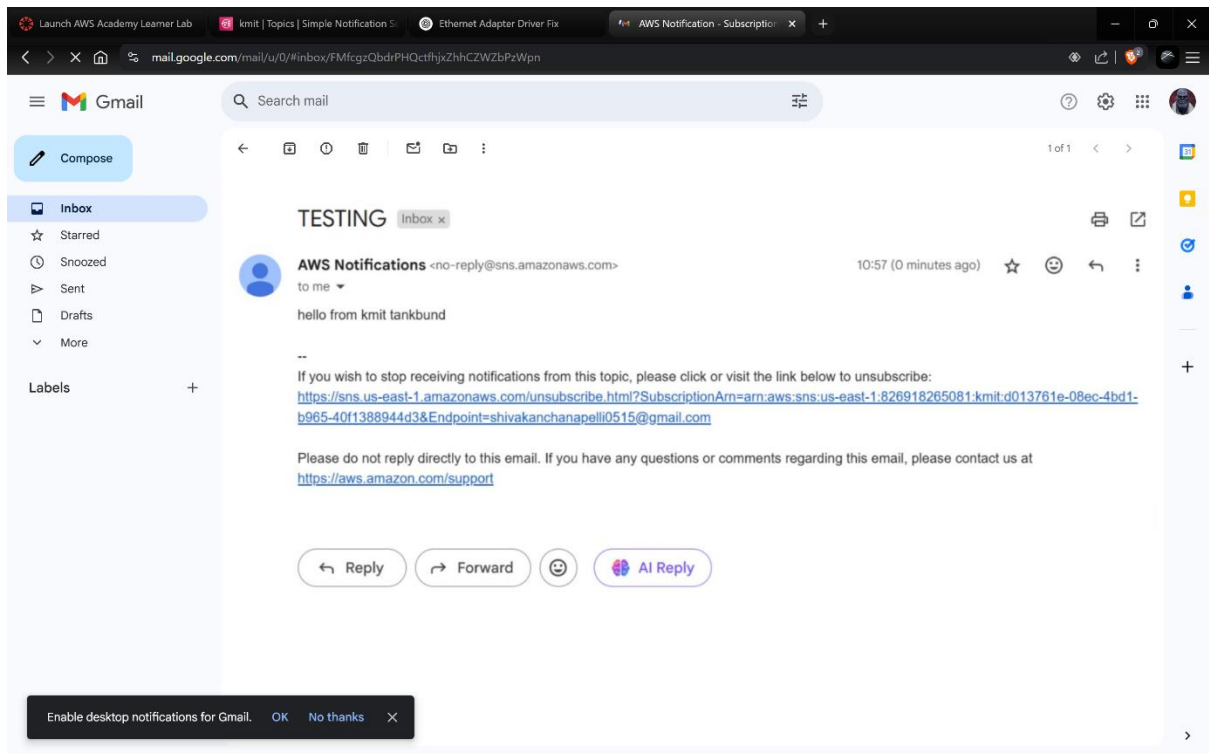
You have successfully subscribed.

Your subscription's id is:
arn:aws:sns:us-east-1:826918265081:kmit:0821a295-d6f4-46fd-b511-ab40247013a0

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



SNS in AWS



SNS in AWS

The screenshot shows the AWS SNS console interface. The top navigation bar includes the AWS logo, a search bar, and the current region (United States (N. Virginia)). The left sidebar shows the 'Amazon SNS' menu with options for Dashboard, Topics, Subscriptions, and Mobile. The main content area displays the details for a topic named 'kmit'. A modal dialog titled 'Delete topic kmit' is open, asking for confirmation to delete the topic permanently. The dialog includes a text input field with the phrase 'delete me' and buttons for 'Cancel' and 'Delete'. Below the dialog, the 'Subscriptions' table is visible, showing three subscriptions with status 'Confirmed' and protocol 'EMAIL'. The bottom section of the console shows a list of topics, with 'RedshiftSNS' being the only one displayed.

Amazon SNS > Topics > kmit

Details

Name: kmit

Display name: -

ARN: arn:aws:sns:us-east-1:826918265081:kmit

Topic owner: voclabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081

Type: Standard

Delete topic kmit

Are you sure you want to delete topic kmit permanently? You can't undo this action.

To confirm deletion, enter the phrase delete me.

delete me

Cancel Delete

Subscriptions

ID	Endpoint	Status	Protocol
Deleted	reddyprasad.kmit@gmail.com	Confirmed	EMAIL
Deleted	hackermindp@gmail.com	Confirmed	EMAIL
Deleted	shivakanchanapelli0515@gmail...	Confirmed	EMAIL

Topics (1)

Name	Type	ARN
RedshiftSNS	Standard	arn:aws:sns:us-east-1:826918265081:RedshiftS...