

CSC PRACTICAL – 09

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Sec: 13

Creating an SNS topic:

The screenshot shows the 'Create topic' page in the Amazon SNS console. The 'Details' section is active, showing two topic types: 'FIFO (first-in, first-out)' and 'Standard'. The 'Standard' type is selected. The 'Name' field is filled with 'simplemesgtopic'. Below it, the 'Display name - optional' field is filled with 'My Topic'. The 'Encryption - optional' section is expanded, showing the default 'Amazon SNS provides in-transit encryption by default'. The 'Access policy - optional' section is also expanded, showing the default policy. The bottom of the page shows the 'CloudShell' button and the footer with '© 2023, Amazon Web Services India Private Limited or its affiliates'.

The screenshot shows the 'simplemesgtopic' details page in the Amazon SNS console. The 'Details' section is active, showing the topic name 'simplemesgtopic', the ARN 'arn:aws:sns:us-east-1:313758719004:simplemesgtopic', the type 'Standard', and the topic owner '313758719004'. The 'Subscriptions' section is active, showing a table with no subscriptions. The 'Create subscription' button is visible. The bottom of the page shows the 'CloudShell' button and the footer with '© 2023, Amazon Web Services India Private Limited or its affiliates'.

Now create subscription: for newly topic and protocol as email and specify an email:

Amazon SNS > Subscriptions > Create subscription

Create subscription

Details

Topic ARN

Protocol

The type of endpoint to subscribe

Email

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.

Cancel **Create subscription**

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Amazon SNS

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Subscriptions

▼ Mobile

Push notifications

Text messaging (SMS)

Origination numbers

Important changes for sending text messages (SMS) to US destinations

US mobile carriers have recently changed their regulations, and will require that all toll-free numbers (TFNs) complete a registration process with a regulatory body before September 30, 2022. If you currently have a toll-free number you must register your toll-free number by September 30, 2022 or you will no longer be able to use the toll-free number. [Learn more](#)

Subscription to simplemesgtopic created successfully.

The ARN of the subscription is `arn:aws:sns:us-east-1:313758719004:simplemesgtopic:92dc04f2-801d-4760-97b4-63e32f835d68`.

Amazon SNS > Topics > simplemesgtopic > Subscription: 92dc04f2-801d-4760-97b4-63e32f835d68

Subscription: 92dc04f2-801d-4760-97b4-63e32f835d68

Edit Delete

Details

ARN

arn:aws:sns:us-east-1:313758719004:simplemesgtopic:92dc04f2-801d-4760-97b4-63e32f835d68

Endpoint

veeravamshimulugu@gmail.com

Topic

[simplemesgtopic](#)

Subscription Principal

arn:aws:iam::313758719004:user/Veera_Vamshi

Status

Pending confirmation

Protocol

EMAIL

Object Oriented Developme... Data Collection Assignment... Microsoft Rewards... juan merchan - Search... AWS Notification - Subscrip...

mail.google.com/mail/u/1/#inbox/FMfcgzGslUpvKHkP8CKnwWtwmbSpId

Apps Google YouTube Mail - M VEERA VA... Gmail Dashboard KL ERP events.withgoogle.c... www.hotstar.com My Drive - Google... Veera Vamshi Mulu...

Compose

Inbox 16:31

Starred

Snoozed

Sent

Drafts

More

Labels

1 of 5,768

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

AWS Notifications <no-reply@sns.amazonaws.com> to me 18:20 (2 minutes ago) ☆ ↶ ⓘ

You have chosen to subscribe to the topic:

arn:aws:sns:us-east-1:313758719004:simplemesgtopic

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

Simple Notification Service

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/subscription/arn:aws:sns:us-east-1:313758719004:simplemesgtopic:92dc04f2-801d-4760-97b4-63e32f835d68

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View origination numbers

Amazon SNS > Topics > simplemesgtopic > Subscription: 92dc04f2-801d-4760-97b4-63e32f835d68

Subscription: 92dc04f2-801d-4760-97b4-63e32f835d68

Edit Delete

Details

ARN
arn:aws:sns:us-east-1:313758719004:simplemesgtopic:92dc04f2-801d-4760-97b4-63e32f835d68

Status
Confirmed

Endpoint
veeravamshimulugu@gmail.com

Protocol
EMAIL

Topic
simplemesgtopic

Subscription Principal
arnawsiam:313758719004:user/Veera_Vamshi

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.

CloudShell Feedback Language

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Subscription ARN	Endpoint	Status	Protocol	Topic
92dc04f2-801d-4760-97b4-63e32f835d68	veeravamshimulugu@gmail.com	Confirmed	EMAIL	simplemesgtopic

Now publish a message to verified email:

Simple Notification Service

exercise - Google Search

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/publish/topic/arn:aws:sns:us-east-1:313758719004:simplemesgtopic

Publish message to topic

Message details

Topic ARN
arn:aws:sns:us-east-1:313758719004:simplemesgtopic

Subject - optional

Simple test on Lab-09

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.

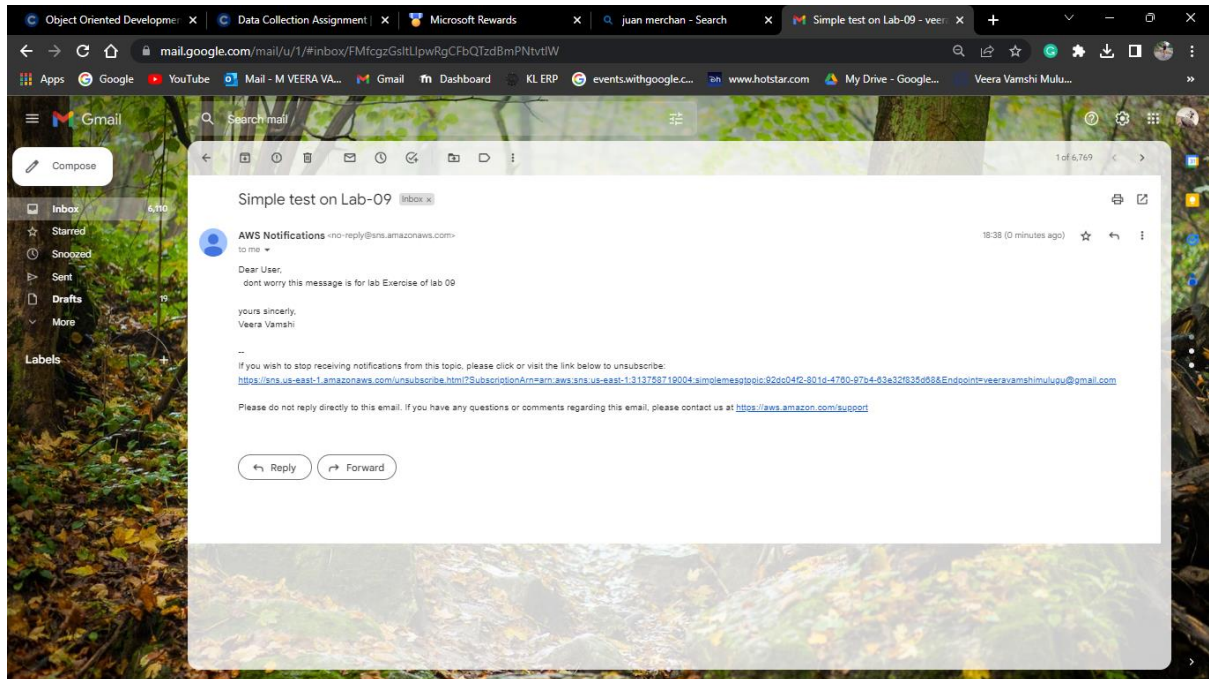
Message body to send to the endpoint

```
1 dear User,  
2 dont worry this message is for lab Exercise of lab 09  
3  
4 yours sincerely,  
5 veera vamshi
```

CloudShell Feedback Language

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Check inbox:



Using lambda, I have did refer:

https://www.linkedin.com/posts/veeravamshi-mulugu_activity-7048732748680736768-15Wq?utm_source=share&utm_medium=member_desktop