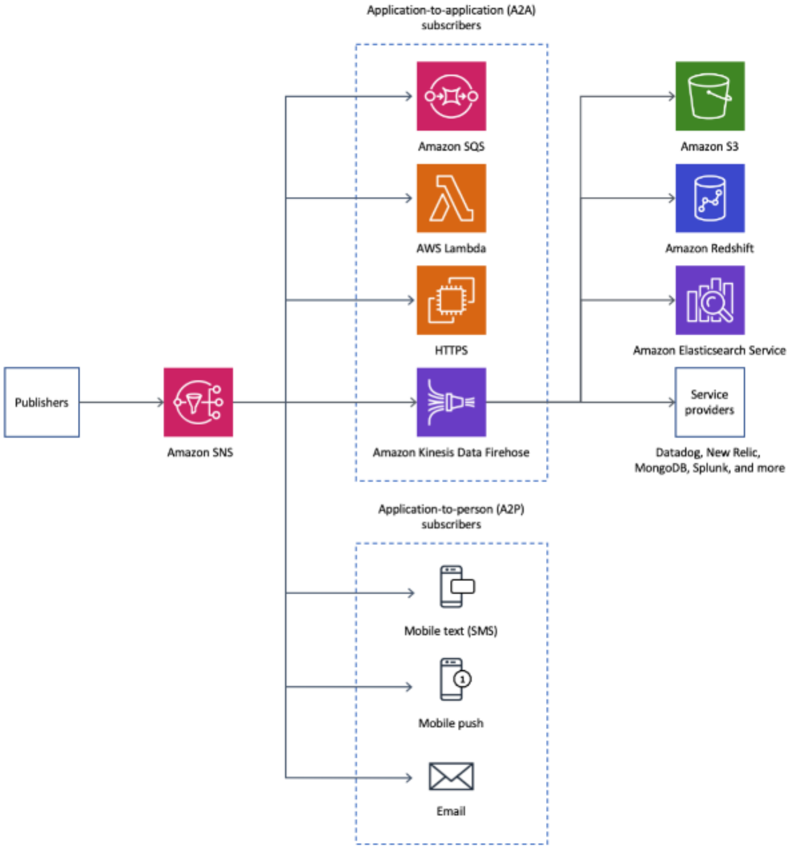
SNS SERVICE FOR AWS BY TRIGGERING THE LAMBDA FUNCTION

What is SNS?

Sending push notifications to IOS, Android, Fire OS, Windows, and Baidu-based devices is simple with the help of the mobile notification service. The sender can deliver messages, updates, promotions, or news to a single user, a group of users, or all of your users with a single message. Additionally, communications can be sent to MacOS desktop computers, iOS VoIP apps, emails, and SMS messaging.


Application-to-application (A2A) subscribers
Amazon SQS
AWS Lambda
HTTPS
Amazon Kinesis Data Firehose
Amazon S3
Amazon Redshift
Amazon Elasticsearch Service
Service providers
Datadog, New Relic, MongoDB, Splunk, and more
Publishers
Amazon SNS
Application-to-person (A2P) subscribers
Mobile text (SMS)
Mobile push
Email

Types of SNS Topics

There are 2 types of SNS Topics:

- Standard Topic
- FIFO Topic

A simple Python app to receive SNS notifications and act on them.

Services used

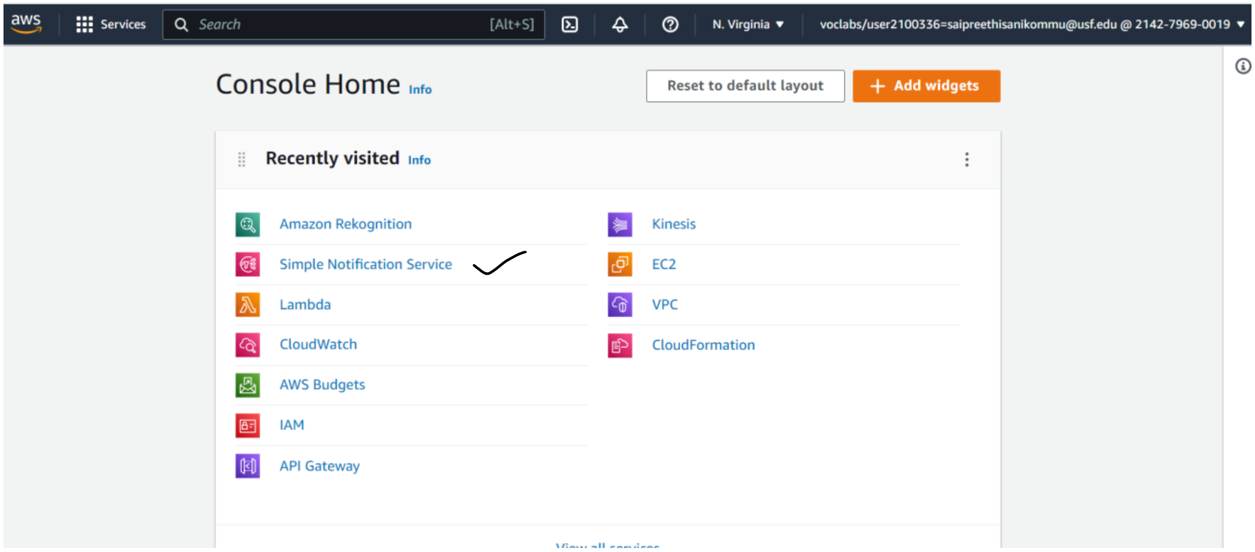
SNS

LAMBDA

CLOUD WATCH

Procedure : step1

- 1.Go to AWS console Home
- 2. Search for SNS OR SIMPLE NOTIFICATION
- 3. CLICK ON THAT



aws Services Search [Alt+S] N. Virginia voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019

Console Home Info

Reset to default layout

Add widgets

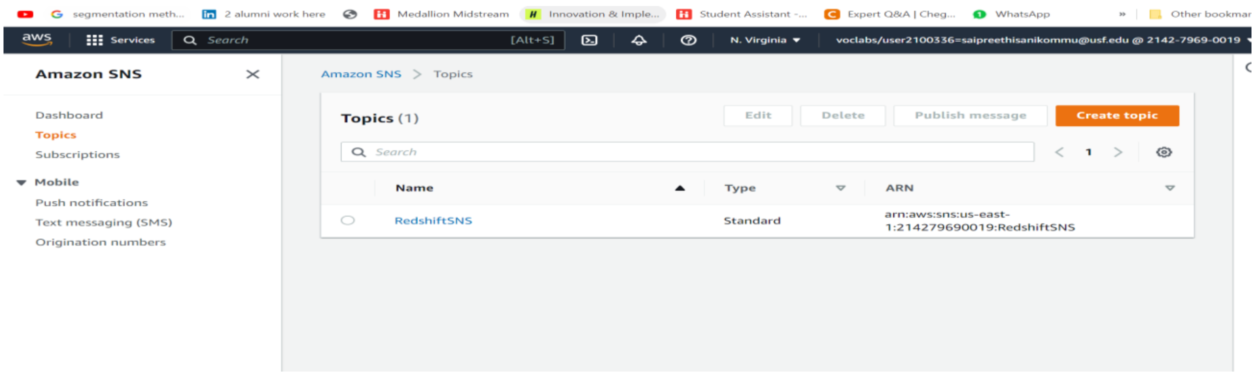
Recently visited Info

Amazon Rekognition	Kinesis
Simple Notification Service ✓	EC2
Lambda	VPC
CloudWatch	CloudFormation
AWS Budgets	
IAM	
API Gateway	

View all services

STEP2

The Go to Topics and click on the create topic



segmentation meth... 2 alumni work here Medallion Midstream Innovation & Imple... Student Assistant -... Expert Q&A | Cheg... WhatsApp Other bookmar

aws Services Search [Alt+S] N. Virginia voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019

Amazon SNS

Dashboard
Topics
Subscriptions

Mobile
Push notifications
Text messaging (SMS)
Origination numbers

Amazon SNS > Topics

Topics (1)

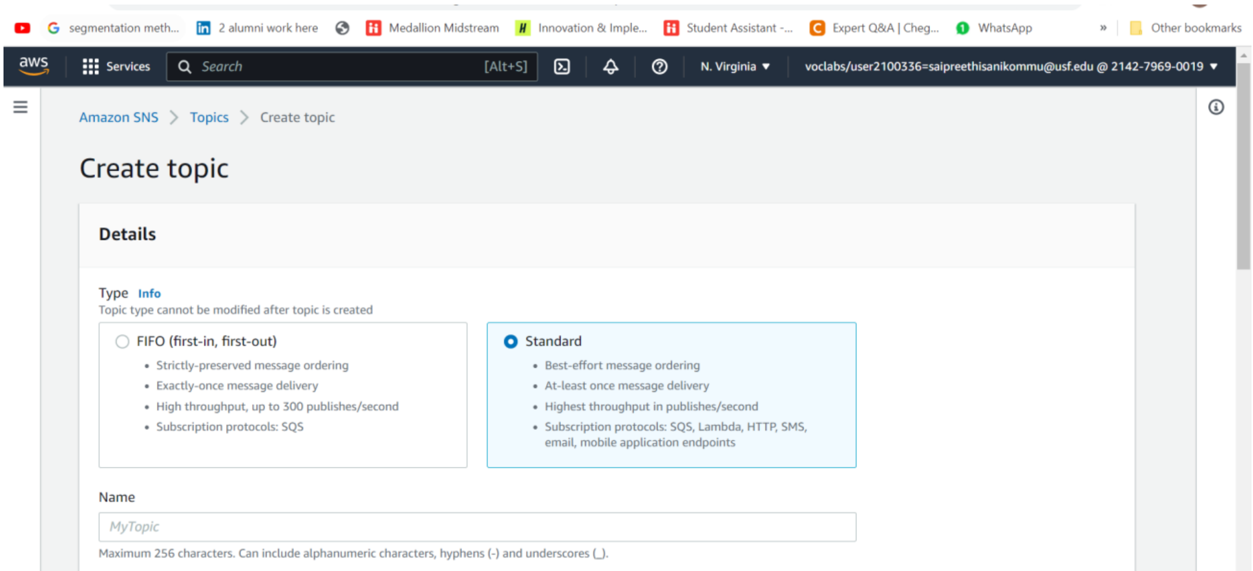
Edit Delete Publish message Create topic

Search

	Name	Type	ARN
○	RedshiftSNS	Standard	arn:aws:sns:us-east-1:214279690019:RedshiftSNS

STEP 3

Here we are choosing the standard instead of FIFO , you could see the usages of them below when you select the particular type that you want



Create topic

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
- High throughput, up to 300 publishes/second
- Subscription protocols: SQS

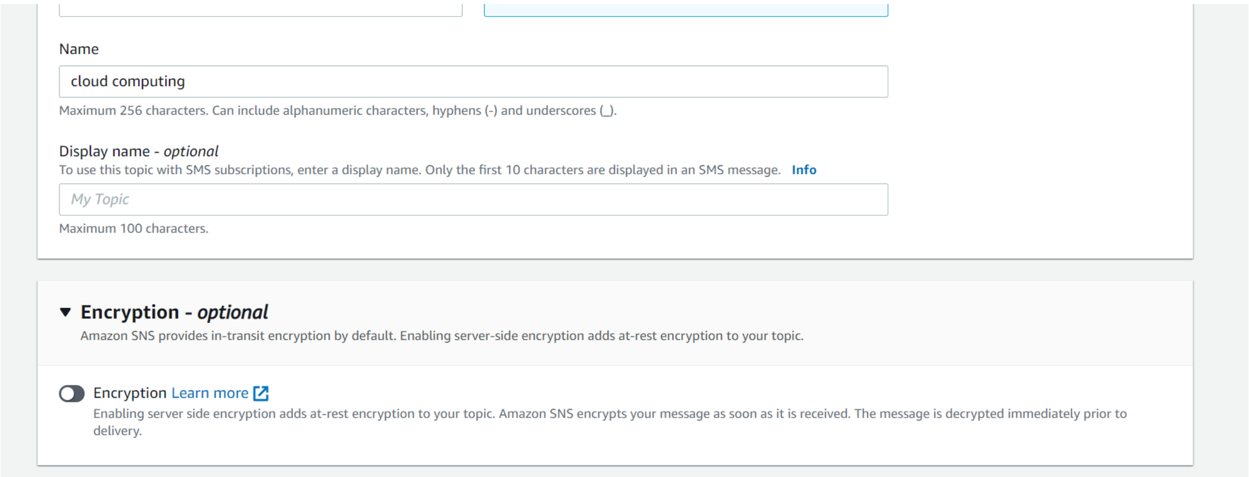
● Standard
- Best-effort message ordering
- At-least once message delivery
- Highest throughput in publishes/second
- Subscription protocols: SQS, Lambda, HTTP, SMS, email, mobile application endpoints

Name

MyTopic

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

Creating a project name cloud computing



Name

cloud computing

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

Display name - *optional*

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

My Topic

Maximum 100 characters.

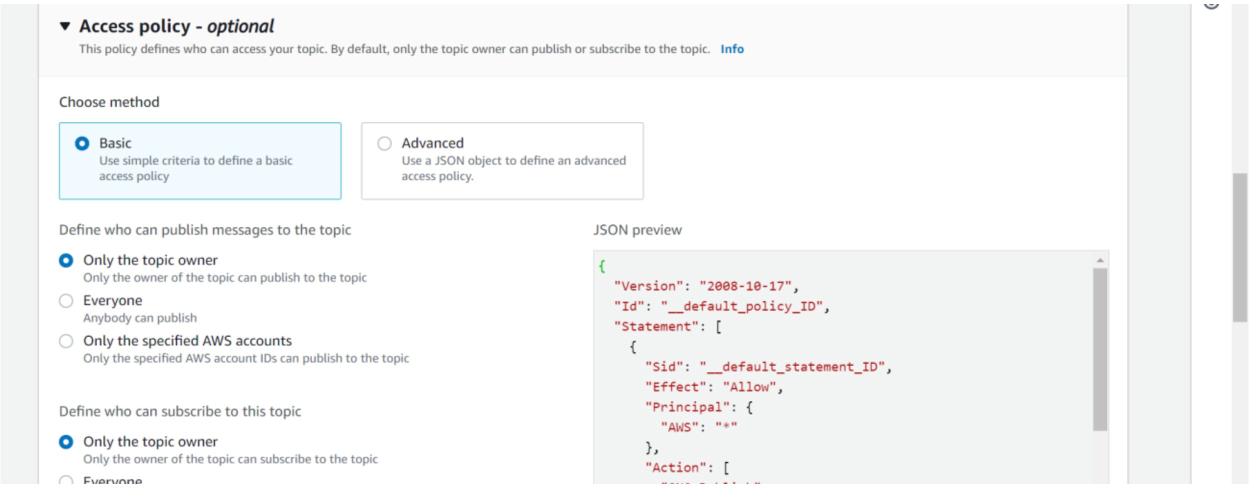
Encryption - *optional*

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

Encryption Learn more

Enabling server side encryption adds at-rest encryption to your topic. Amazon SNS encrypts your message as soon as it is received. The message is decrypted immediately prior to delivery.

encryption address just means that when the sns service receives your message when you try to publish a message to the topic as they need to save in the database



▼ **Access policy - *optional***

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

Choose method

● Basic
Use simple criteria to define a basic access policy

○ Advanced
Use a JSON object to define an advanced access policy.

Define who can publish messages to the topic

● Only the topic owner
Only the owner of the topic can publish to the topic

○ Everyone
Anybody can publish

○ Only the specified AWS accounts
Only the specified AWS account IDs can publish to the topic

Define who can subscribe to this topic

● Only the topic owner
Only the owner of the topic can subscribe to the topic

○ Everyone

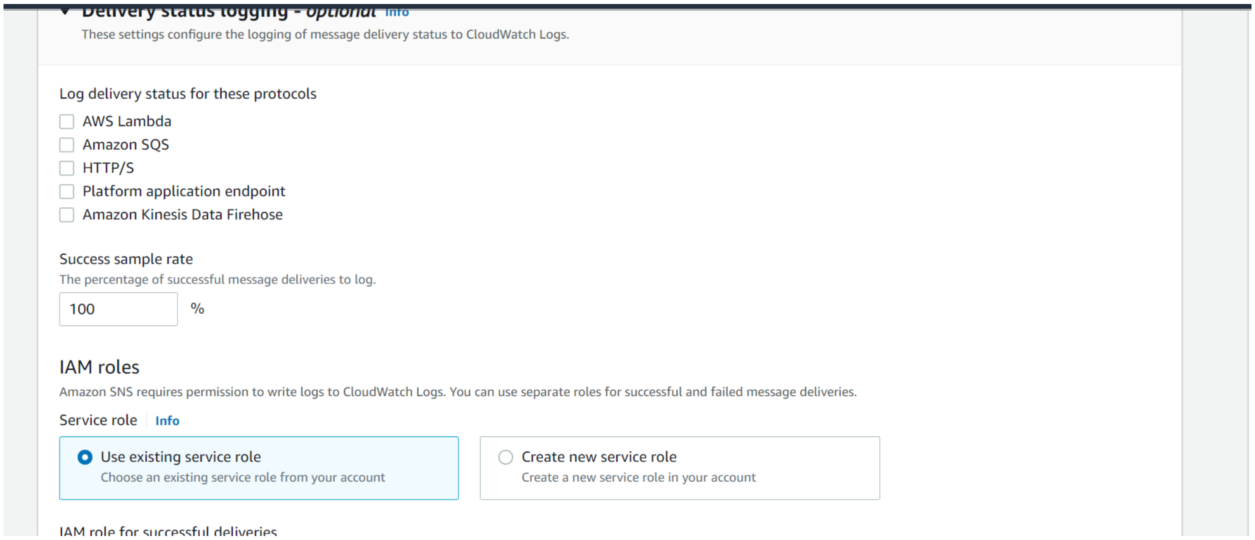
JSON preview

```
{
  "Version": "2008-10-17",
  "Id": "__default_policy_ID",
  "Statement": [
    {
      "Sid": "__default_statement_ID",
      "Effect": "Allow",
      "Principal": {
        "AWS": "*"
      },
      "Action": [
```

Choosing the Access policy as basic and clicking on the only topic owner as the we are choosing the encryption of the message type

acces rules They do have some default settings here that you can pick from or just suggested options, but access policy basically informs sns who can subscribe to the subject, who can receive messages from the topic, and who can submit messages to the topic.

Rather of being extremely basic or sophisticated, basic only permits you to choose from these various pre-selected options here. With advanced, you can alter the policy template as you can see above.



▼ **Delivery status logging - *optional*** Info

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

Log delivery status for these protocols

□ AWS Lambda
□ Amazon SQS
□ HTTP/S
□ Platform application endpoint
□ Amazon Kinesis Data Firehose

Success sample rate
The percentage of successful message deliveries to log.

100 %

IAM roles

Amazon SNS requires permission to write logs to CloudWatch Logs. You can use separate roles for successful and failed message deliveries.

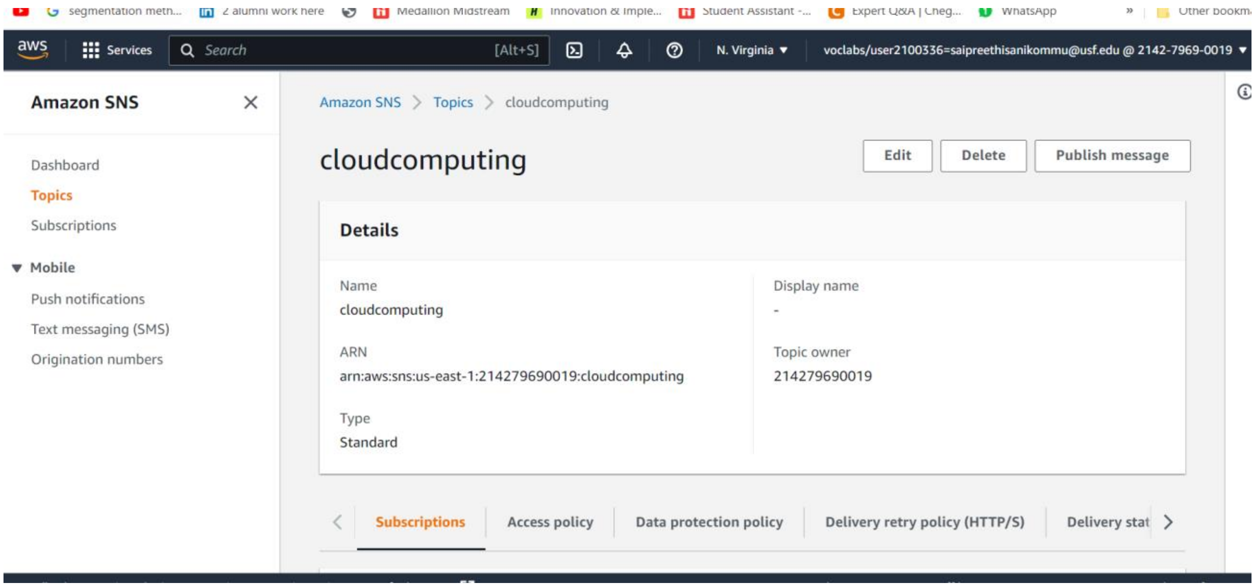
Service role Info

● Use existing service role
Choose an existing service role from your account

○ Create new service role
Create a new service role in your account

IAM role for successful deliveries

Click on the create topic on the down



cloudcomputing

Details

Name: cloudcomputing

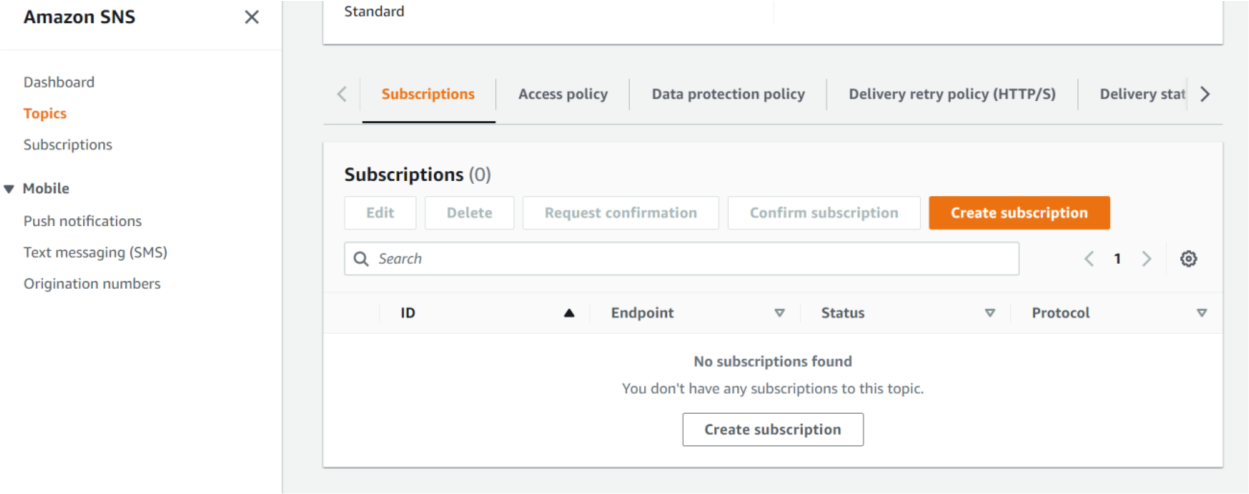
Display name: -

ARN: arn:aws:sns:us-east-1:214279690019:cloudcomputing

Topic owner: 214279690019

Type: Standard

And the project is created , now go to the subscriptions in the bottom



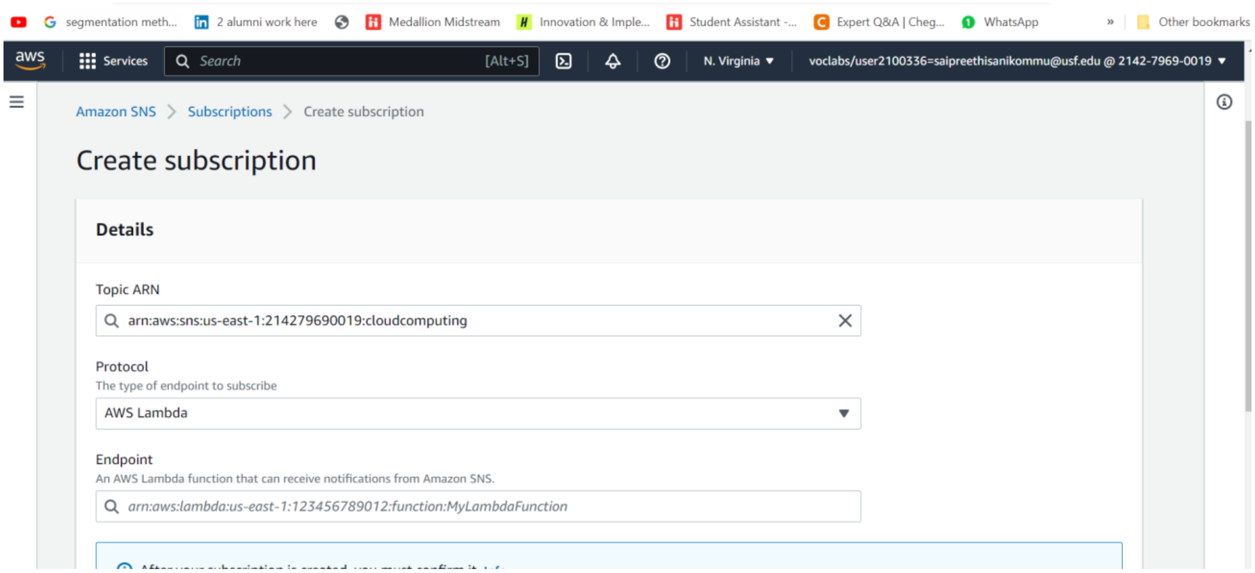
Subscriptions (0)

No subscriptions found

You don't have any subscriptions to this topic.

We could see there are no subscriptions been created but you could the access policy , data protection policy all these were created based on the data that we have give while creating the topic. We need to click on the create subscription.

We create a subscription in order to set the protocol to be a lambda function



Amazon SNS > Subscriptions > Create subscription

Create subscription

Details

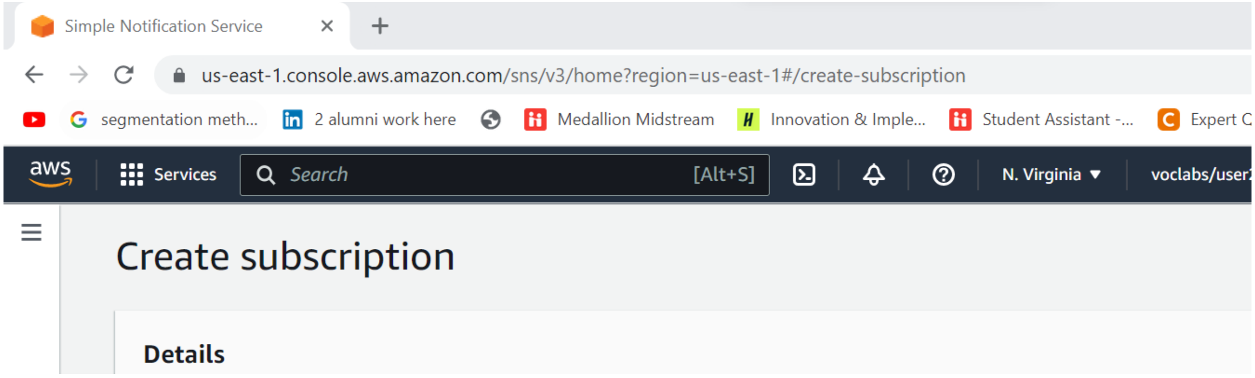
Topic ARN: arn:aws:sns:us-east-1:214279690019:cloudcomputing

Protocol
The type of endpoint to subscribe
AWS Lambda

Endpoint
An AWS Lambda function that can receive notifications from Amazon SNS.
arn:aws:lambda:us-east-1:123456789012:function:MyLambdaFunction

Services
Search
[Alt+S]
N. Virginia
voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019

You could see that there is no endpoint , because we have not created the lamda function yet now duplicate the existing tab as we have see below



Simple Notification Service

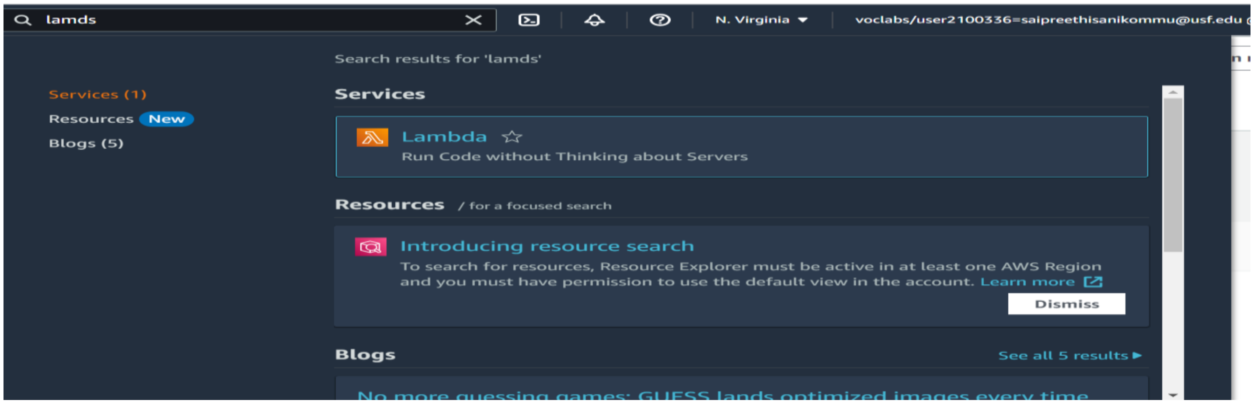
us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/create-subscription

Create subscription

Details

Now a new tab will be open below showing the console

Search for the Lambda in the console, it will open as show in the below



Search: lamds

Search results for 'lamds'

Services (1)
Resources New
Blogs (5)

Services

Lambda
Run Code without Thinking about Servers

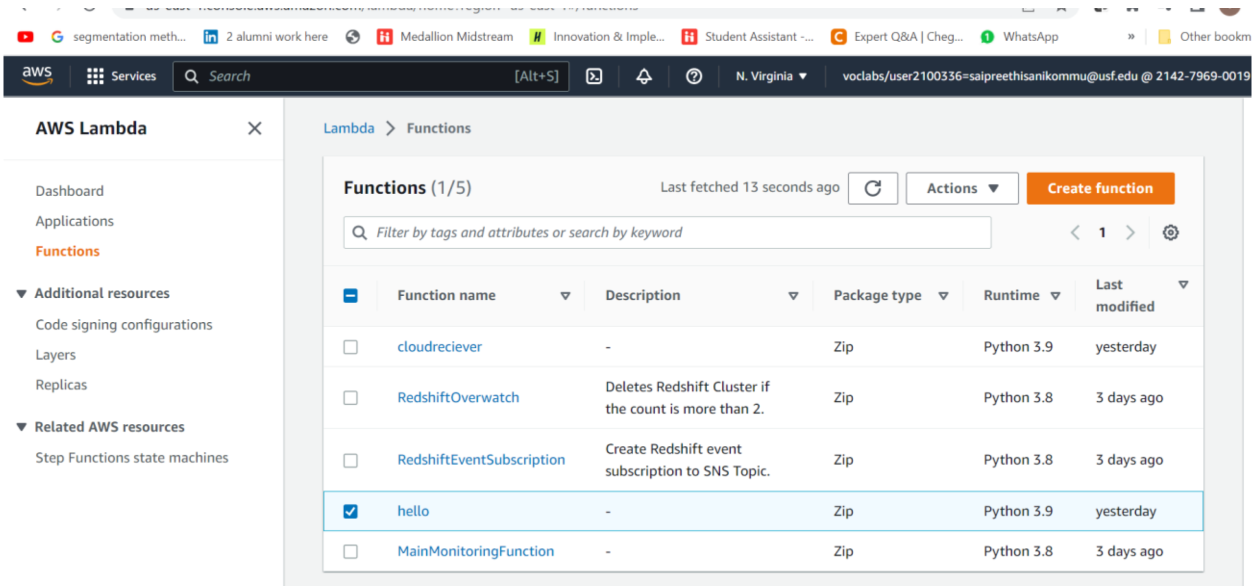
Resources / for a focused search

Introducing resource search
To search for resources, Resource Explorer must be active in at least one AWS Region and you must have permission to use the default view in the account. Learn more

Dismiss

Blogs
See all 5 results ▸

No more guessing games: GUESS lands optimized images every time



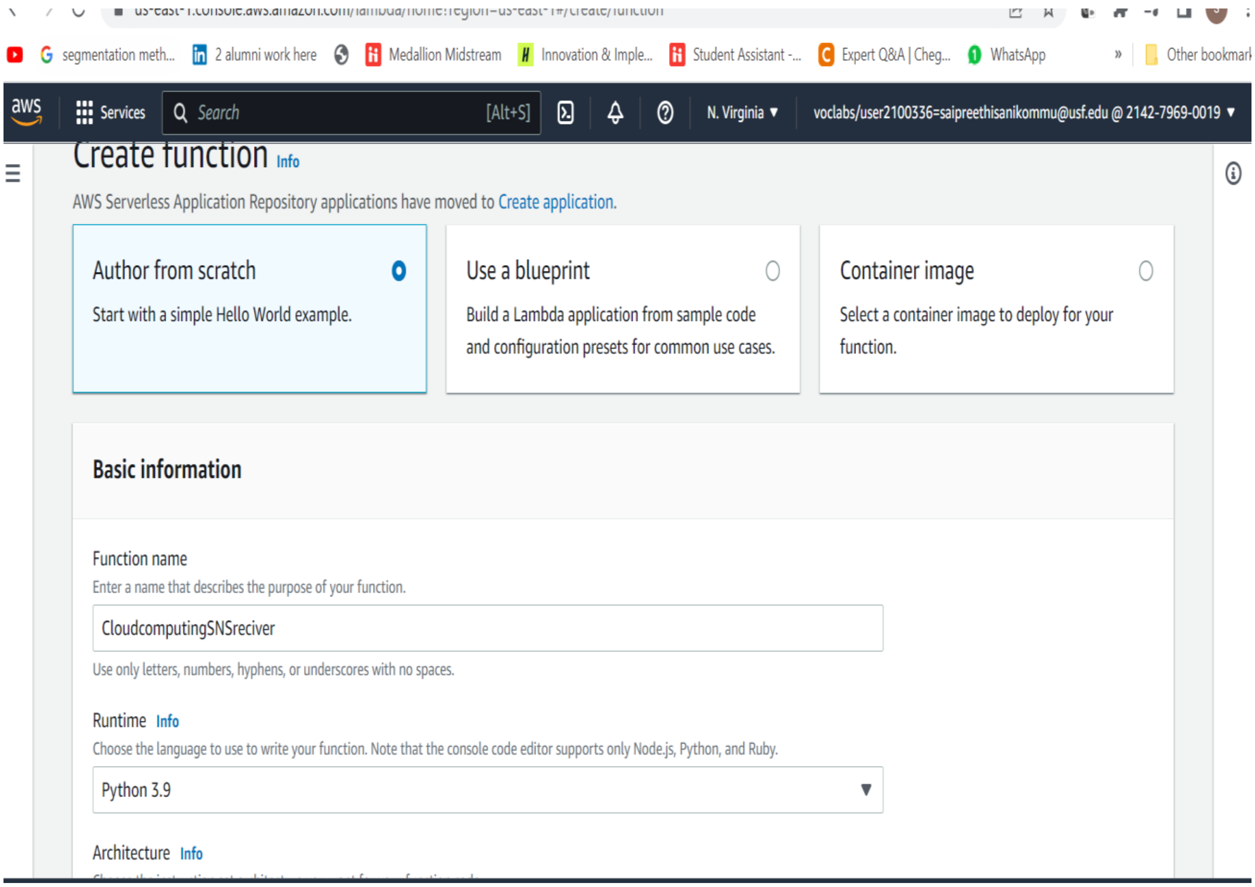
Functions (1/5)

Last fetched 13 seconds ago

Filter by tags and attributes or search by keyword

	Function name	Description	Package type	Runtime	Last modified
□	cloudreciever	-	Zip	Python 3.9	yesterday
□	RedshiftOverwatch	Deletes Redshift Cluster if the count is more than 2.	Zip	Python 3.8	3 days ago
□	RedshiftEventSubscription	Create Redshift event subscription to SNS Topic.	Zip	Python 3.8	3 days ago
☑	hello	-	Zip	Python 3.9	yesterday
□	MainMonitoringFunction	-	Zip	Python 3.8	3 days ago

Now we need to go to functions and create a function I have named this as CloudcomputingSNSreciver and I chose the python 3.9 , use can actually choose whatever the language you wanted as we have nodejs, html, .net etc..



Create function Info

AWS Serverless Application Repository applications have moved to Create application.

● Author from scratch
Start with a simple Hello World example.

○ Use a blueprint
Build a Lambda application from sample code and configuration presets for common use cases.

○ Container image
Select a container image to deploy for your function.

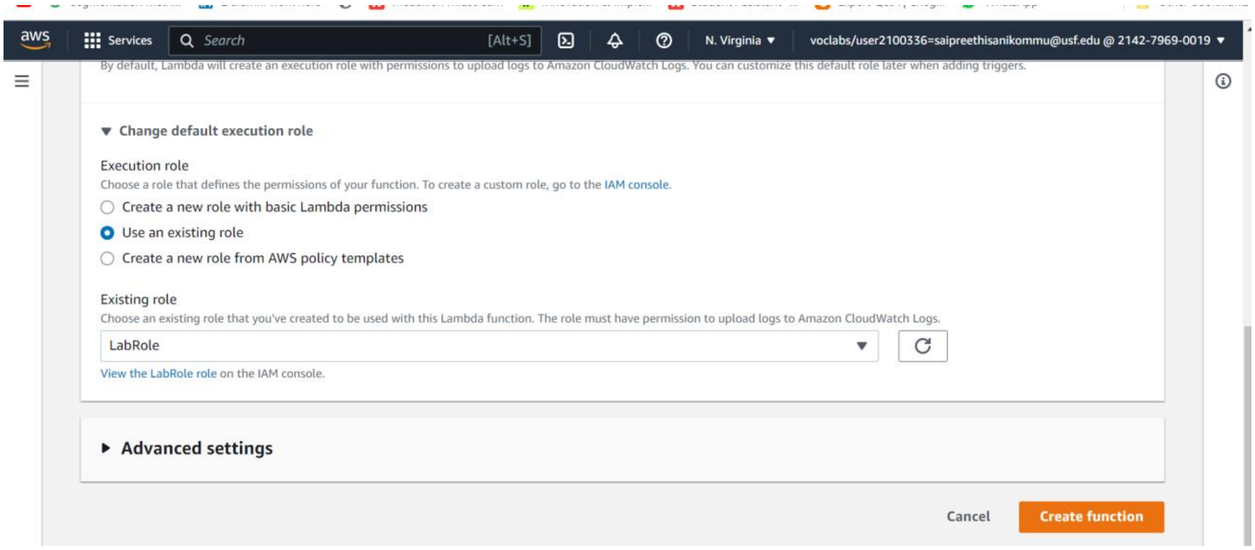
Basic information

Function name
Enter a name that describes the purpose of your function.
CloudcomputingSNSreciver
Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime Info
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.
Python 3.9 ▼

Architecture Info

I have chose the Labrole as I donot have permission to any other one’s



aws Services Search [Alt+S] N. Virginia ▼ voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019 ▼

By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.

▼ Change default execution role

Execution role

Choose a role that defines the permissions of your function. To create a custom role, go to the IAM console.

○ Create a new role with basic Lambda permissions

● Use an existing role

○ Create a new role from AWS policy templates

Existing role

Choose an existing role that you've created to be used with this Lambda function. The role must have permission to upload logs to Amazon CloudWatch Logs.

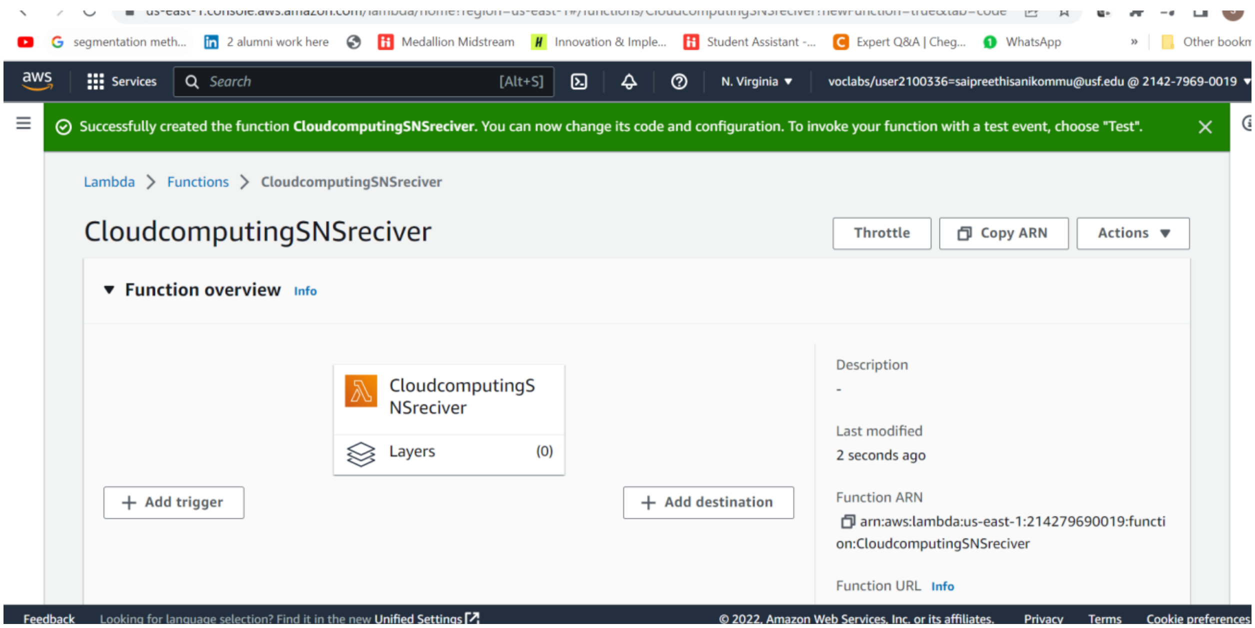
LabRole ▼

View the LabRole role on the IAM console.

▶ Advanced settings

Cancel | Create function

Go ahead and create the function



us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/CloudcomputingSNSreciver?newFunction=true&tab=code

segmentation meth... 2 alumni work here Medallion Midstream Innovation & Imple... Student Assistant -... Expert Q&A | Cheg... WhatsApp » Other bookm

aws Services Search [Alt+S] N. Virginia ▼ voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019 ▼

Successfully created the function **CloudcomputingSNSreciver**. You can now change its code and configuration. To invoke your function with a test event, choose "Test". ✕

Lambda > Functions > CloudcomputingSNSreciver

CloudcomputingSNSreciver

Throttle | Copy ARN | Actions ▼

▼ Function overview Info

CloudcomputingSNSreciver

Layers (0)

+ Add trigger

+ Add destination

Description

-

Last modified

2 seconds ago

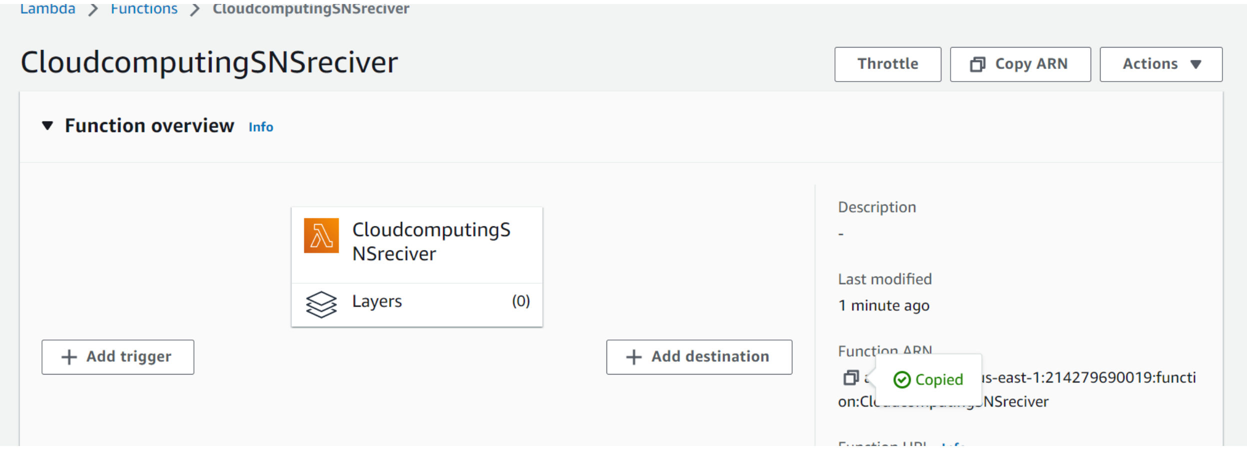
Function ARN

arn:aws:lambda:us-east-1:214279690019:function:CloudcomputingSNSreciver

Function URL Info

Feedback Looking for language selection? Find it in the new Unified Settings © 2022, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Above image show the function that is created successfully and ARN has been generated which is the FUNCTION ARN



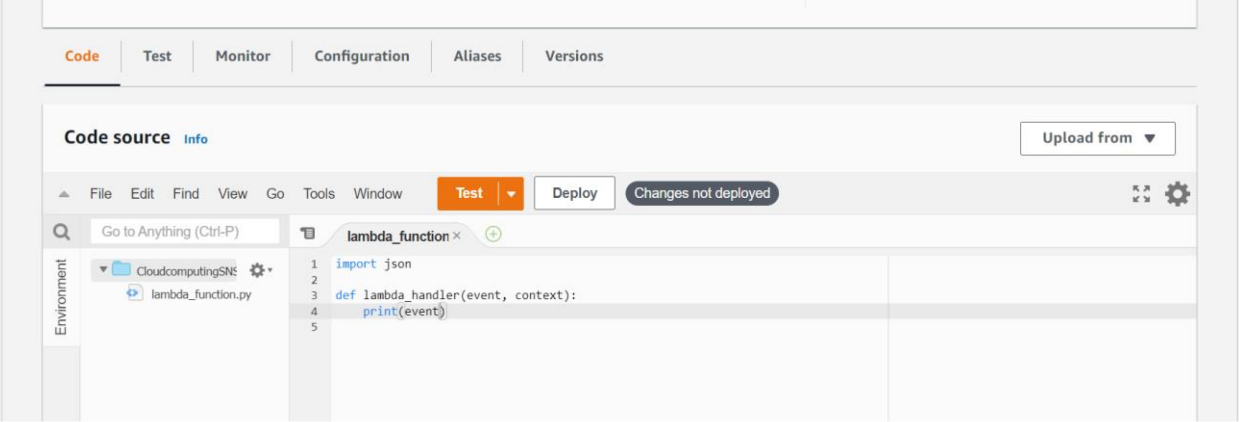
CloudcomputingSNSreciver

Description
-

Last modified
1 minute ago

Function ARN
…s-east-1:214279690019:function:Cl…NSreciver

Go and copy the Functio ARN and go to the code wanted to check I have given the code as event as I wanted to check ho exactly the information looks like and click on delpoy

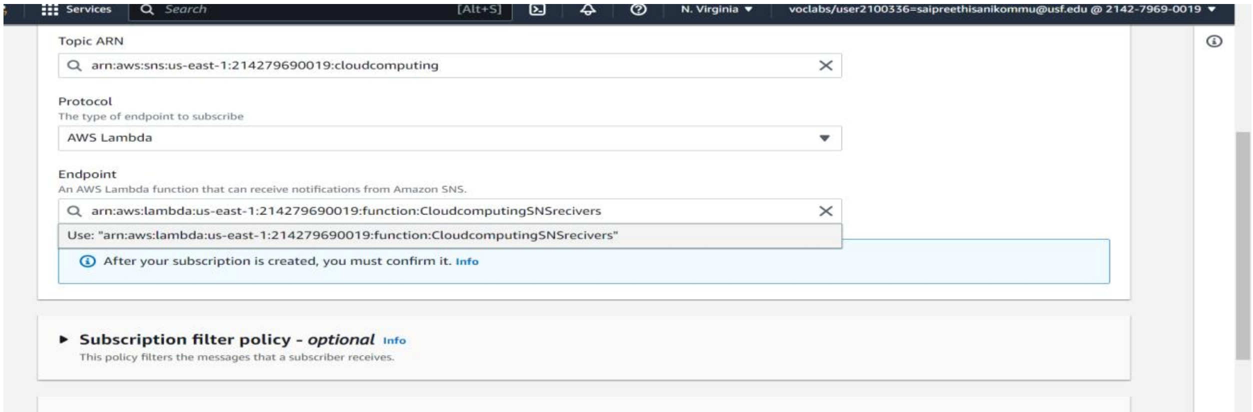


```
import json

def lambda_handler(event, context):
    print(event)

```

Now to go to the create function tab and give the Function ARN that we have copied in the endpoint


Services
Search
[Alt+S]
N. Virginia ▼
voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019 ▼

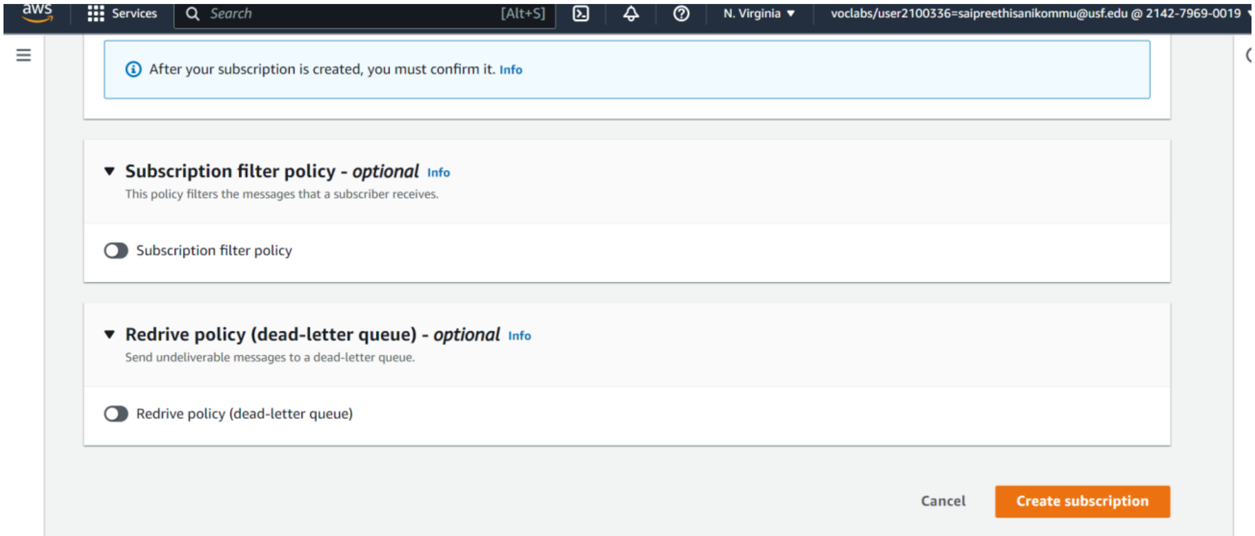
Topic ARN
arn:aws:sns:us-east-1:214279690019:cloudcomputing

Protocol
The type of endpoint to subscribe
AWS Lambda

Endpoint
An AWS Lambda function that can receive notifications from Amazon SNS.
arn:aws:lambda:us-east-1:214279690019:function:CloudcomputingSNSrecivers
Use: "arn:aws:lambda:us-east-1:214279690019:function:CloudcomputingSNSrecivers"

After your subscription is created, you must confirm it. Info

▶ Subscription filter policy - *optional* Info
This policy filters the messages that a subscriber receives.


aws
Services
Search
[Alt+S]
N. Virginia ▼
voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019

After your subscription is created, you must confirm it. Info

▼ Subscription filter policy - *optional* Info

This policy filters the messages that a subscriber receives.

○ Subscription filter policy

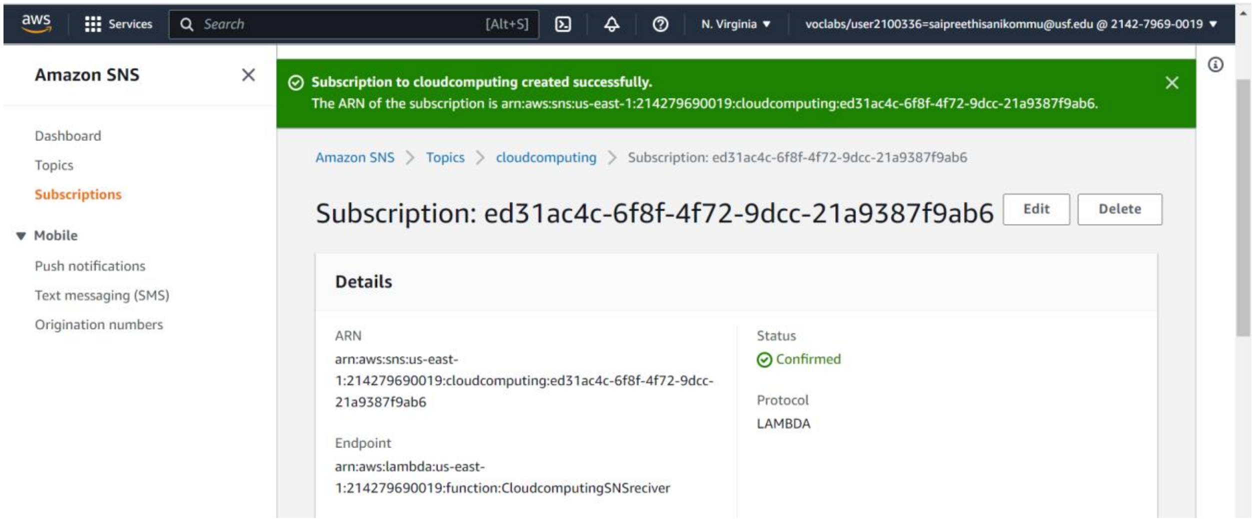
▼ Redrive policy (dead-letter queue) - *optional* Info

Send undeliverable messages to a dead-letter queue.

○ Redrive policy (dead-letter queue)

Cancel
Create subscription

Click on create subscription and subscription is successfully completed to cloudcomputing topic


aws
Services
Search
[Alt+S]
N. Virginia ▼
voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019
Amazon SNS
Dashboard
Topics
Subscriptions
Mobile
Push notifications
Text messaging (SMS)
Origination numbers
Amazon SNS > Topics > cloudcomputing > Subscription: ed31ac4c-6f8f-4f72-9dcc-21a9387f9ab6
Edit
Delete

Subscription to cloudcomputing created successfully.
The ARN of the subscription is arn:aws:sns:us-east-1:214279690019:cloudcomputing:ed31ac4c-6f8f-4f72-9dcc-21a9387f9ab6.

Subscription: ed31ac4c-6f8f-4f72-9dcc-21a9387f9ab6

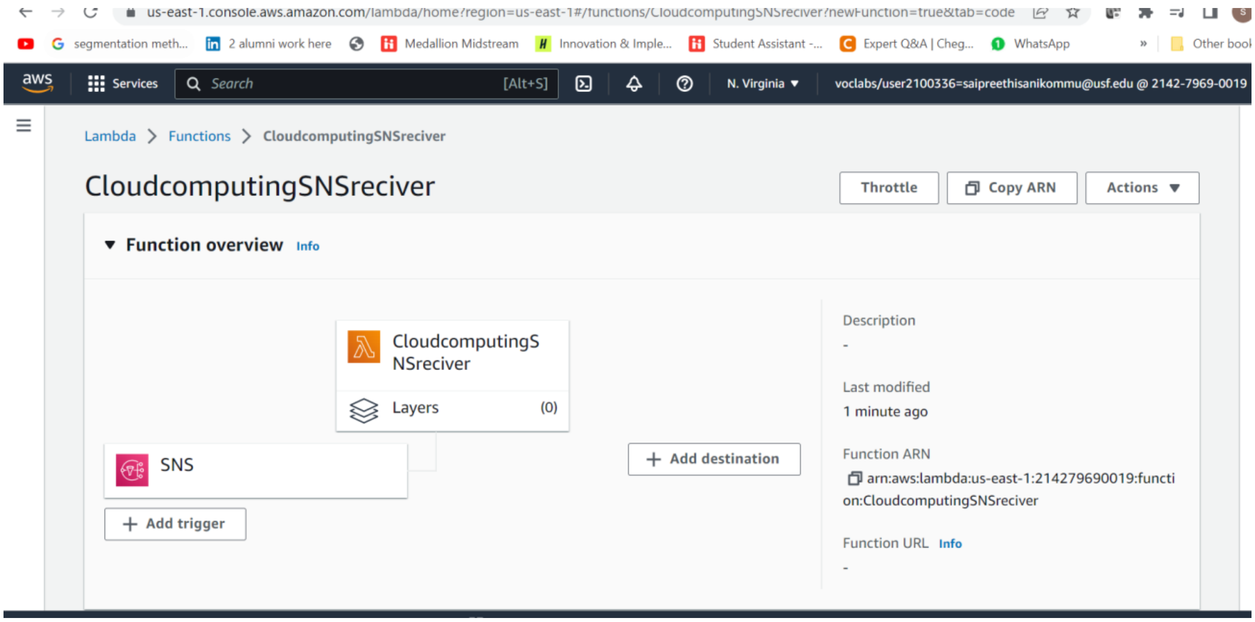
Details

ARN
arn:aws:sns:us-east-1:214279690019:cloudcomputing:ed31ac4c-6f8f-4f72-9dcc-21a9387f9ab6

Endpoint
arn:aws:lambda:us-east-1:214279690019:function:CloudcomputingSNSreciver

Status
✓ Confirmed

Protocol
LAMBDA


us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/CloudcomputingSNSreciver?newFunction=true&tab=code

voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019

Lambda > Functions > CloudcomputingSNSreciver

CloudcomputingSNSreciver

Function overview

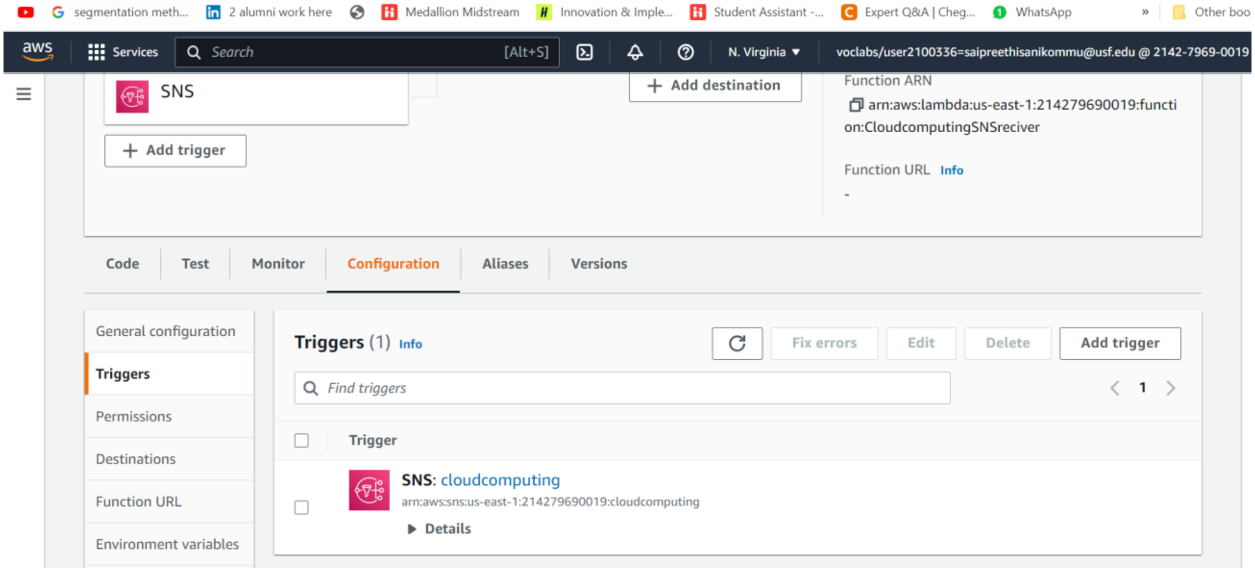
Description
-

Last modified
1 minute ago

Function ARN
arn:aws:lambda:us-east-1:214279690019:function:CloudcomputingSNSreciver

Function URL
-

Now to go the Lambda functions tab there is you refresh the tab SNS will be created and you could see the same in the configuration tab


voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019

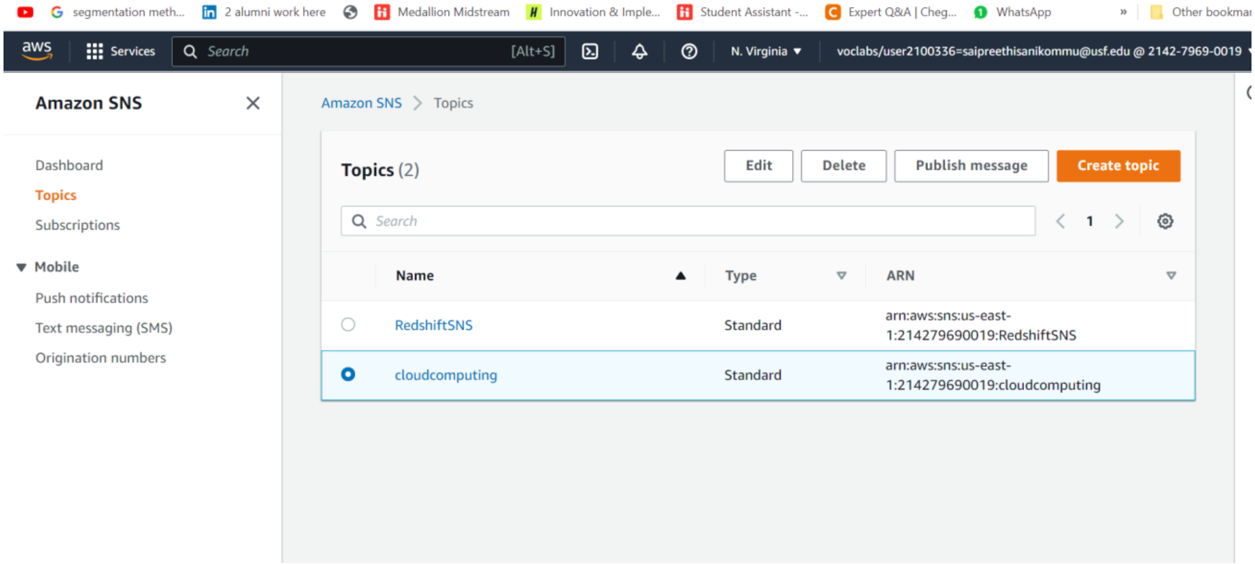
Function ARN
arn:aws:lambda:us-east-1:214279690019:function:CloudcomputingSNSreciver

Function URL
-

Triggers (1)

Trigger

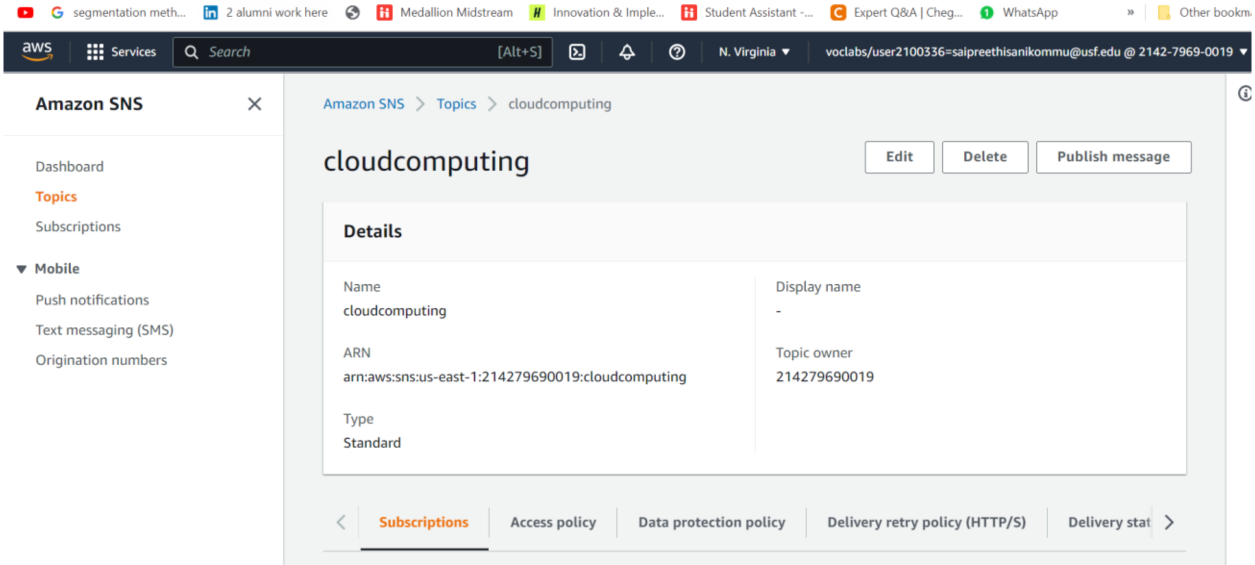
SNS: cloudcomputing
arn:aws:sns:us-east-1:214279690019:cloudcomputing



Topics (2)

	Name ▲	Type	ARN
○	RedshiftSNS	Standard	arn:aws:sns:us-east-1:214279690019:RedshiftSNS
●	cloudcomputing	Standard	arn:aws:sns:us-east-1:214279690019:cloudcomputing

Now go to the SNS and go to the topic that we have created and click on the publish message



cloudcomputing

Details

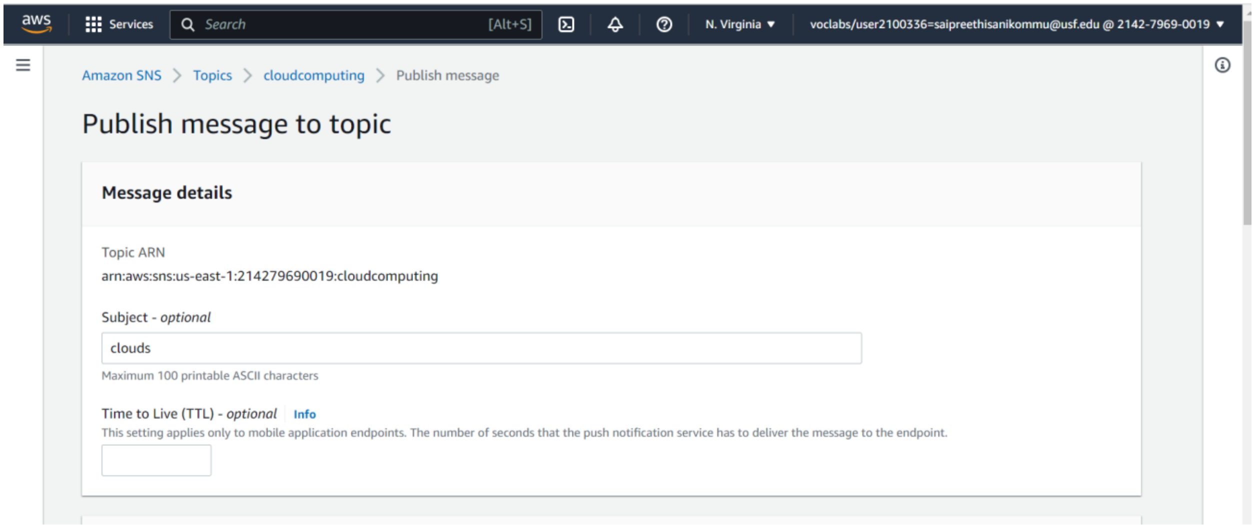
Name
cloudcomputing

ARN
arn:aws:sns:us-east-1:214279690019:cloudcomputing

Type
Standard

Display name
-

Topic owner
214279690019


aws
Services
Search
[Alt+S]
N. Virginia ▾
voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019 ▾
Amazon SNS > Topics > cloudcomputing > Publish message

Publish message to topic

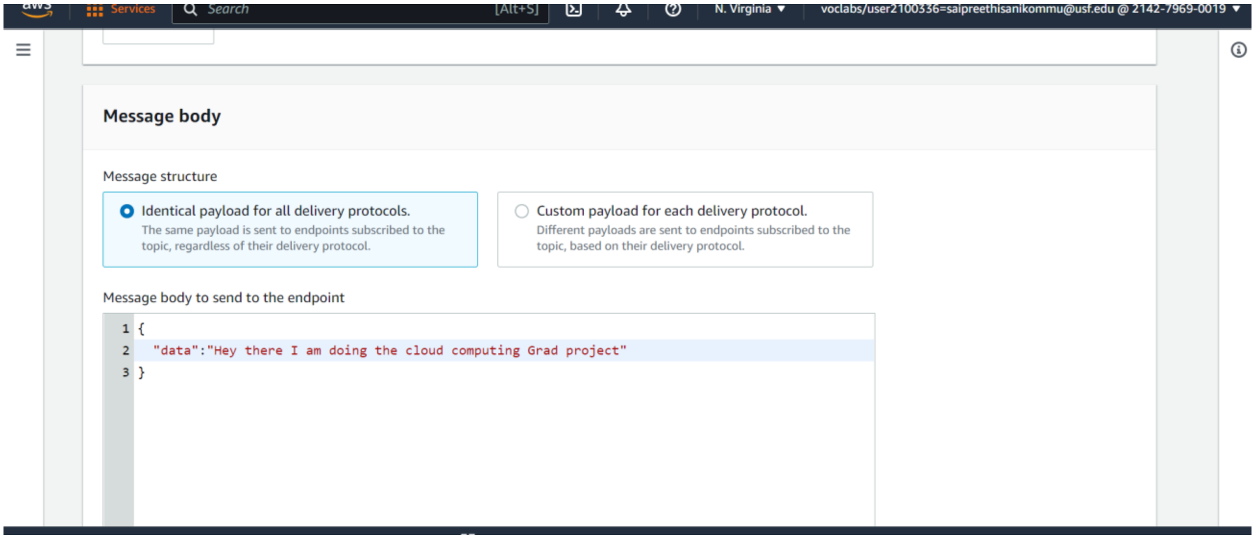
Message details

Topic ARN
arn:aws:sns:us-east-1:214279690019:cloudcomputing

Subject - *optional*
clouds
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.

Now a give the subject as some random name and give the message that you want to send to the endpoint and click on publish message on the bottom right corner


Services
Search
[Alt+S]
N. Virginia ▾
voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019 ▾

Message body

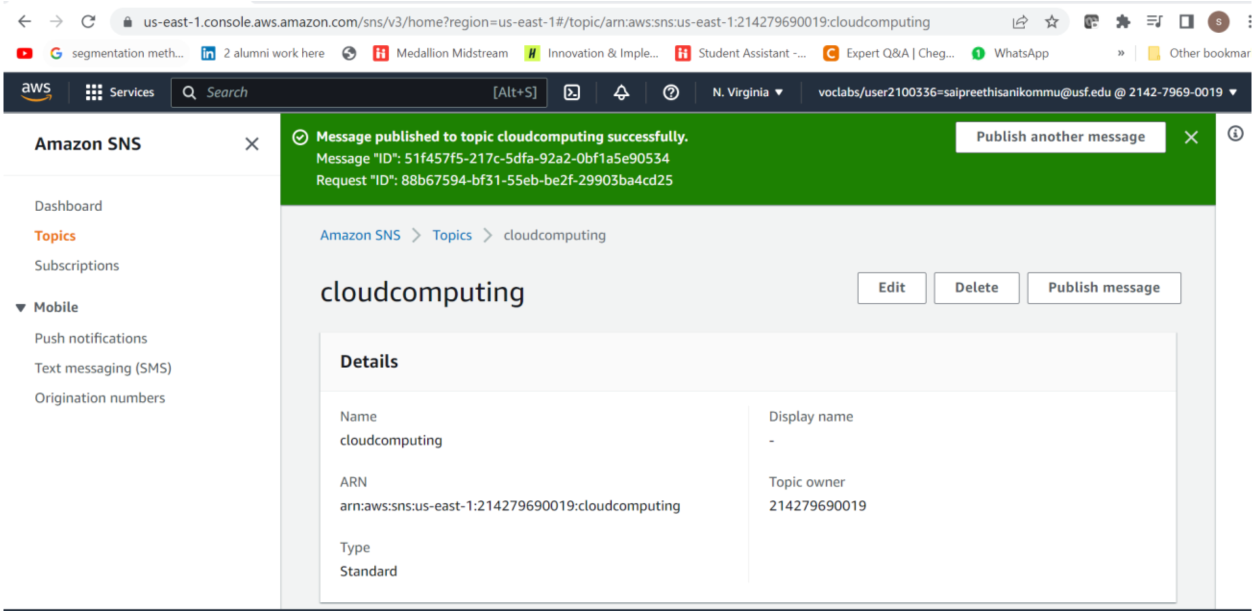
Message structure

● 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

```
{
  "data":"Hey there I am doing the cloud computing Grad project"
}
```


us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/topic/arn:aws:sns:us-east-1:214279690019:cloudcomputing
Services
Search
[Alt+S]
N. Virginia
voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019
Amazon SNS
Dashboard
Topics
Subscriptions
Mobile
Push notifications
Text messaging (SMS)
Origination numbers
Publish another message
Amazon SNS > Topics > cloudcomputing
Edit
Delete
Publish message

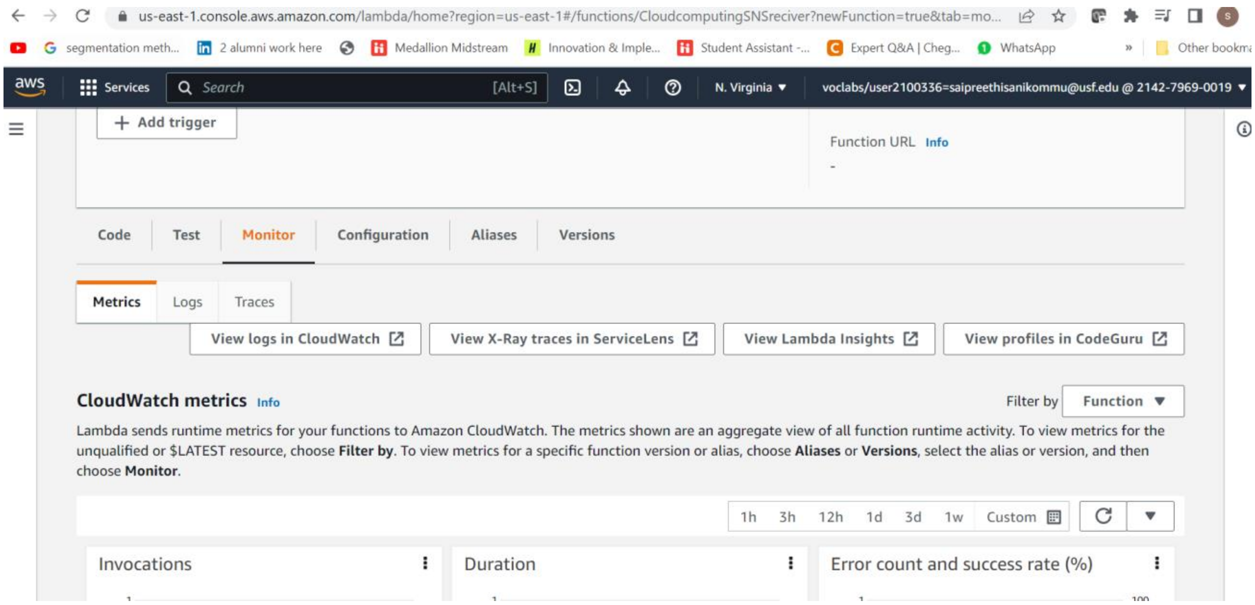
Message published to topic cloudcomputing successfully.
Message "ID": 51f457f5-217c-5dfa-92a2-0bf1a5e90534
Request "ID": 88b67594-bf31-55eb-be2f-29903ba4cd25

cloudcomputing

Details

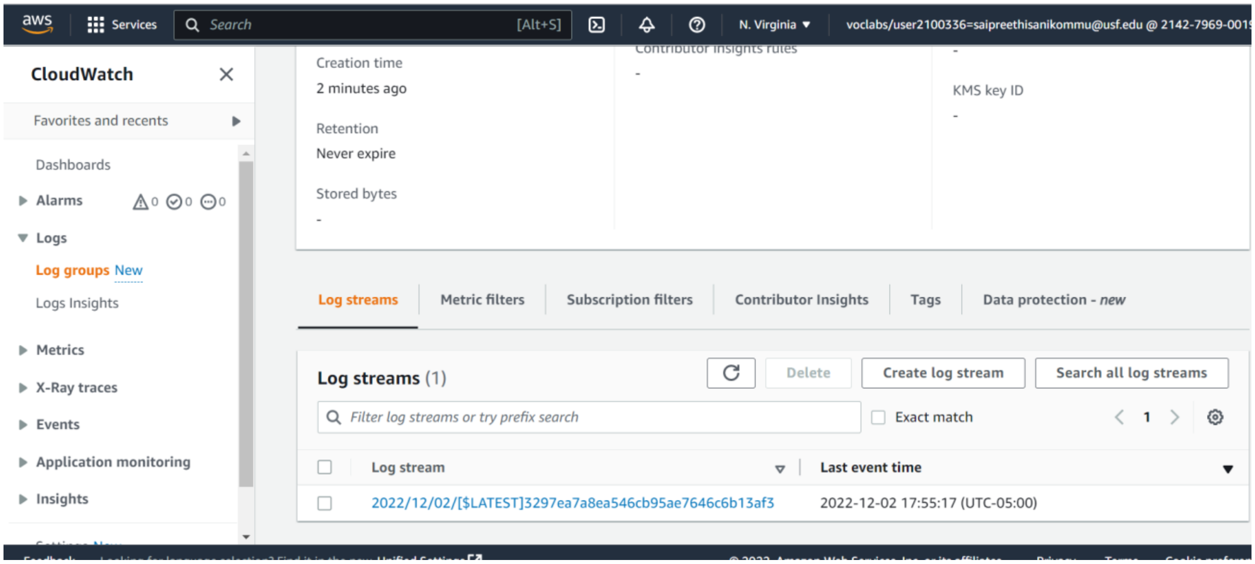
Name cloudcomputing	Display name -
ARN arn:aws:sns:us-east-1:214279690019:cloudcomputing	Topic owner 214279690019
Type Standard	

You could see the message got published successfully and go to the lamda service and go to the monitor you could see the message that is been generated in the cloudwatch metrics and now click on the view logs in the cloudwatch


us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/CloudcomputingSNSreciver?newFunction=true&tab=mo...
Services
Search
[Alt+S]
N. Virginia
voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019
Add trigger
Function URL Info
-
Code
Test
Monitor
Configuration
Aliases
Versions
Metrics
Logs
Traces
View logs in CloudWatch
View X-Ray traces in ServiceLens
View Lambda Insights
View profiles in CodeGuru
Filter by
Function
1h
3h
12h
1d
3d
1w
Custom
Invocations
Duration
Error count and success rate (%)

CloudWatch metrics Info

Lambda sends runtime metrics for your functions to Amazon CloudWatch. The metrics shown are an aggregate view of all function runtime activity. To view metrics for the unqualified or $LATEST resource, choose **Filter by**. To view metrics for a specific function version or alias, choose **Aliases** or **Versions**, select the alias or version, and then choose **Monitor**.



Creation time
2 minutes ago

Retention
Never expire

Stored bytes
-

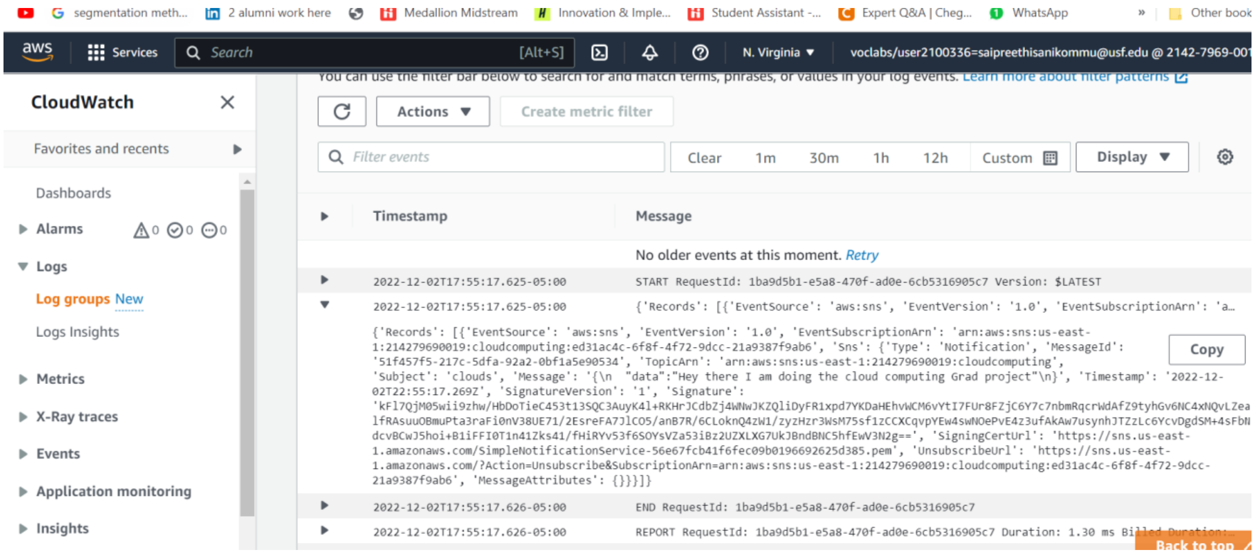
Contributor Insights rules
-

KMS key ID
-

Log streams (1)

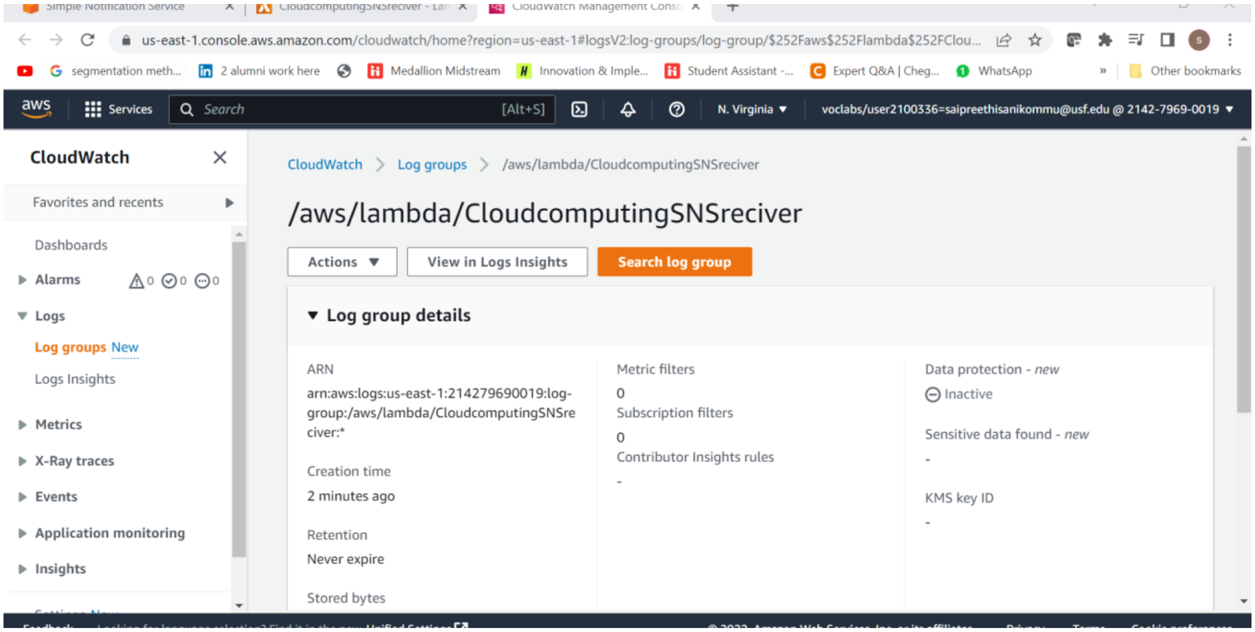
Log stream	Last event time
2022/12/02/[$LATEST]3297ea7a8ea546cb95ae7646c6b13af3	2022-12-02 17:55:17 (UTC-05:00)

Now the cloud watch is opened and go to the loggroups and click on the logstreams , you could see the message that you have published as below in the records



You can use the filter bar below to search for and match terms, phrases, or values in your log events. Learn more about filter patterns

```
Timestamp                       Message
                                No older events at this moment. Retry
2022-12-02T17:55:17.625-05:00   START RequestId: 1ba9d5b1-e5a8-470f-ad0e-6cb5316905c7 Version: $LATEST
2022-12-02T17:55:17.625-05:00   {'Records': [{'EventSource': 'aws:sns', 'EventVersion': '1.0', 'EventSubscriptionArn': 'a…
{'Records': [{'EventSource': 'aws:sns', 'EventVersion': '1.0', 'EventSubscriptionArn': 'arn:aws:sns:us-east-
1:214279690019:cloudcomputing:ed31ac4c-6f8f-4f72-9dcc-21a9387f9ab6', 'Sns': {'Type': 'Notification', 'MessageId':
'51f457f5-217c-5dfa-92a2-0bf1a5e90534', 'TopicArn': 'arn:aws:sns:us-east-1:214279690019:cloudcomputing',
'Subject': 'clouds', 'Message': '{\n  "data":"Hey there I am doing the cloud computing Grad project"\n}', 'Timestamp': '2022-12-
02T22:55:17.269Z', 'SignatureVersion': '1', 'Signature':
'kFl7QjM05wii9zhw/HbDoTieC453t13SQC3AuyK4l+RKHrJCdbZj4WNwJKZQliDyFR1xpd7YKDaHEhvWCM6vYtI7FUr8FZjC6Y7c7nbmRqcrWdAfZ9tyhGv6NC4xNQvLZea
lfRAsuuOBmuPta3raFi0nV38UE71/2EsreFA7JlCO5/anB7R/6CLoknQ4zW1/zyzHzr3WsM75sf1zCCXCqvpYEw4swNOePvE4z3ufAkAw7usynhJTZzLc6YcvDgdSM+4sFbN
dcvBCwJ5hoi+B1iFFI0T1n41Zks41/fHiRYv53f6SOYsVZa53iBz2UZXLXG7UkJBndBNC5hfEwV3N2g==', 'SigningCertUrl': 'https://sns.us-east-
1.amazonaws.com/SimpleNotificationService-56e67fcb41f6fec09b0196692625d385.pem', 'UnsubscribeUrl': 'https://sns.us-east-
1.amazonaws.com/?Action=Unsubscribe&SubscriptionArn=arn:aws:sns:us-east-1:214279690019:cloudcomputing:ed31ac4c-6f8f-4f72-9dcc-
21a9387f9ab6', 'MessageAttributes': {}}}]}
2022-12-02T17:55:17.626-05:00   END RequestId: 1ba9d5b1-e5a8-470f-ad0e-6cb5316905c7
2022-12-02T17:55:17.626-05:00   REPORT RequestId: 1ba9d5b1-e5a8-470f-ad0e-6cb5316905c7 Duration: 1.30 ms Billed Duration:…
```



/aws/lambda/CloudcomputingSNSreciver

Log group details

ARN
arn:aws:logs:us-east-1:214279690019:log-group:/aws/lambda/CloudcomputingSNSreciver:*

Creation time
2 minutes ago

Retention
Never expire

Stored bytes

Metric filters
0

Subscription filters
0

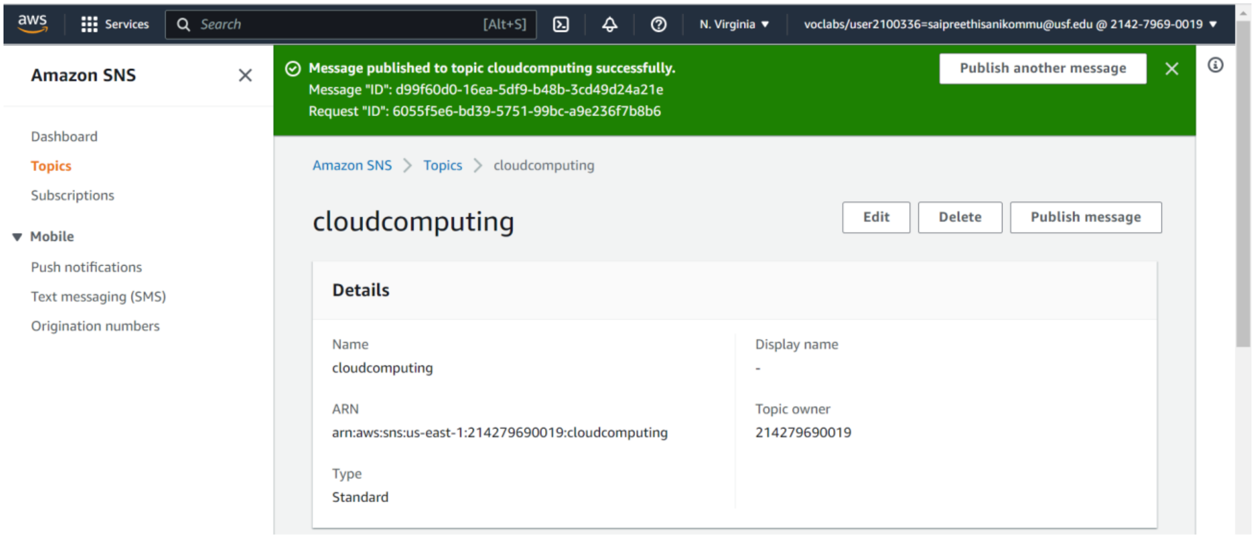
Contributor Insights rules
-

Data protection - *new*
Inactive

Sensitive data found - *new*
-

KMS key ID
-

This is the another message that I have deployed



Message published to topic cloudcomputing successfully.
Message "ID": d99f60d0-16ea-5df9-b48b-3cd49d24a21e
Request "ID": 6055f5e6-bd39-5751-99bc-a9e236f7b8b6

cloudcomputing

Details

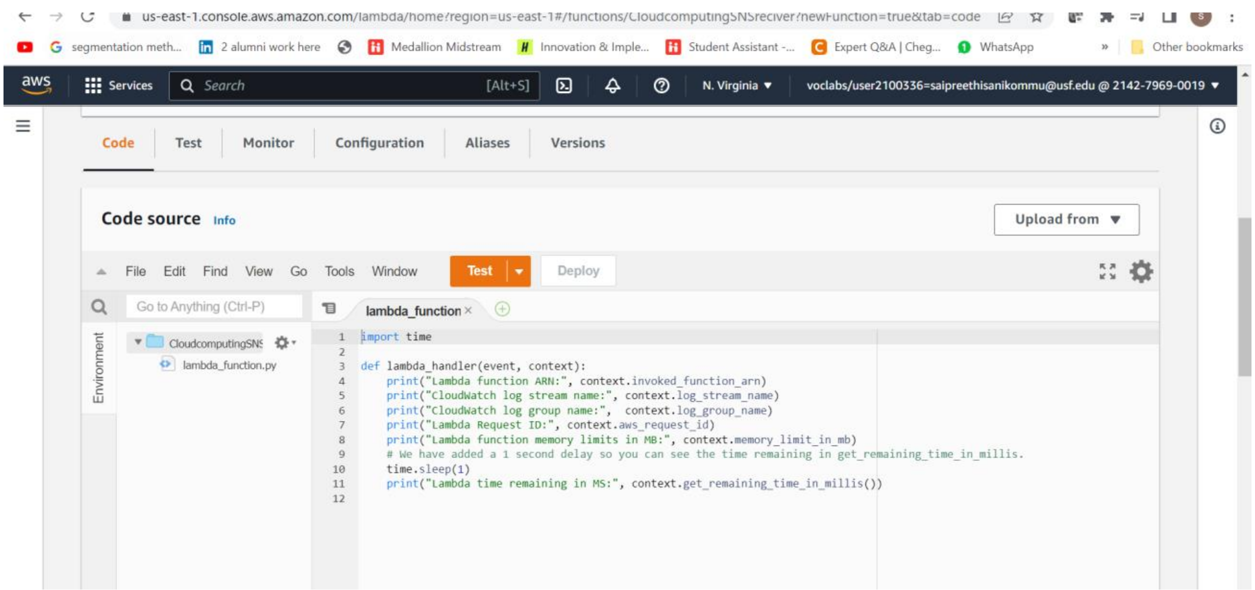
Name
cloudcomputing

ARN
arn:aws:sns:us-east-1:214279690019:cloudcomputing

Type
Standard

Display name
-

Topic owner
214279690019



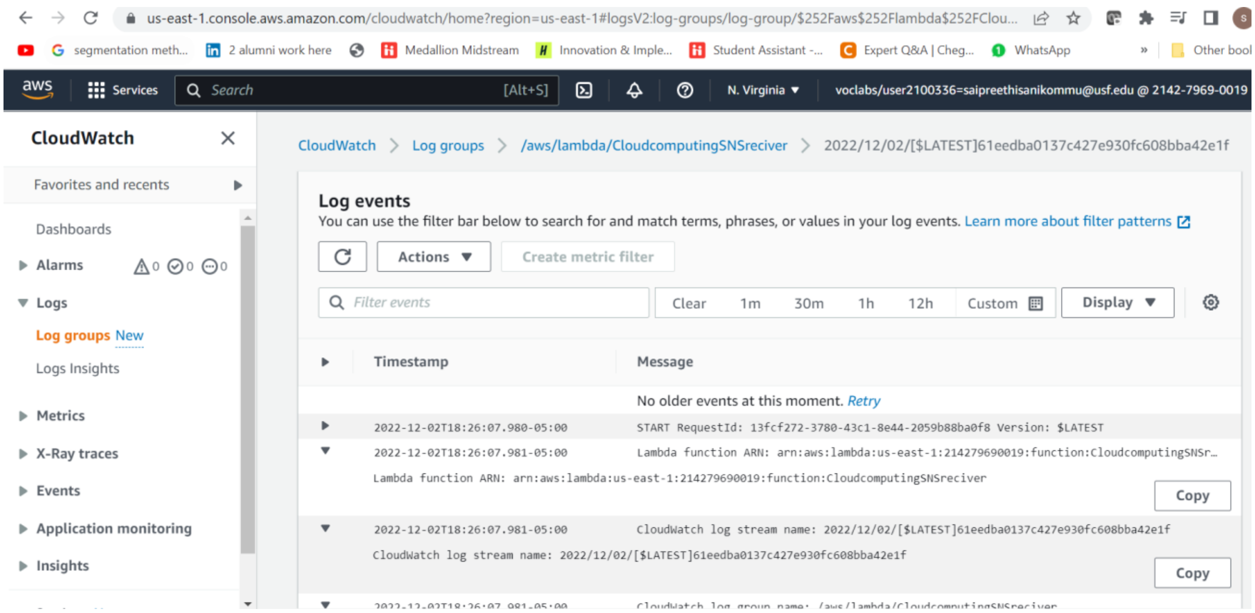
us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/CloudcomputingSNSreciver?newFunction=true&tab=code

voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019

```python
import time

def lambda_handler(event, context):
    print("Lambda function ARN:", context.invoked_function_arn)
    print("CloudWatch log stream name:", context.log_stream_name)
    print("CloudWatch log group name:",  context.log_group_name)
    print("Lambda Request ID:", context.aws_request_id)
    print("Lambda function memory limits in MB:", context.memory_limit_in_mb)
    # We have added a 1 second delay so you can see the time remaining in get_remaining_time_in_millis.
    time.sleep(1)
    print("Lambda time remaining in MS:", context.get_remaining_time_in_millis())

```



us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#logsV2:log-groups/log-group/$252Faws$252Flambda$252FClou...

voclabs/user2100336=saipreethisanikommu@usf.edu @ 2142-7969-0019

CloudWatch > Log groups > /aws/lambda/CloudcomputingSNSreciver > 2022/12/02/[$LATEST]61eedba0137c427e930fc608bba42e1f

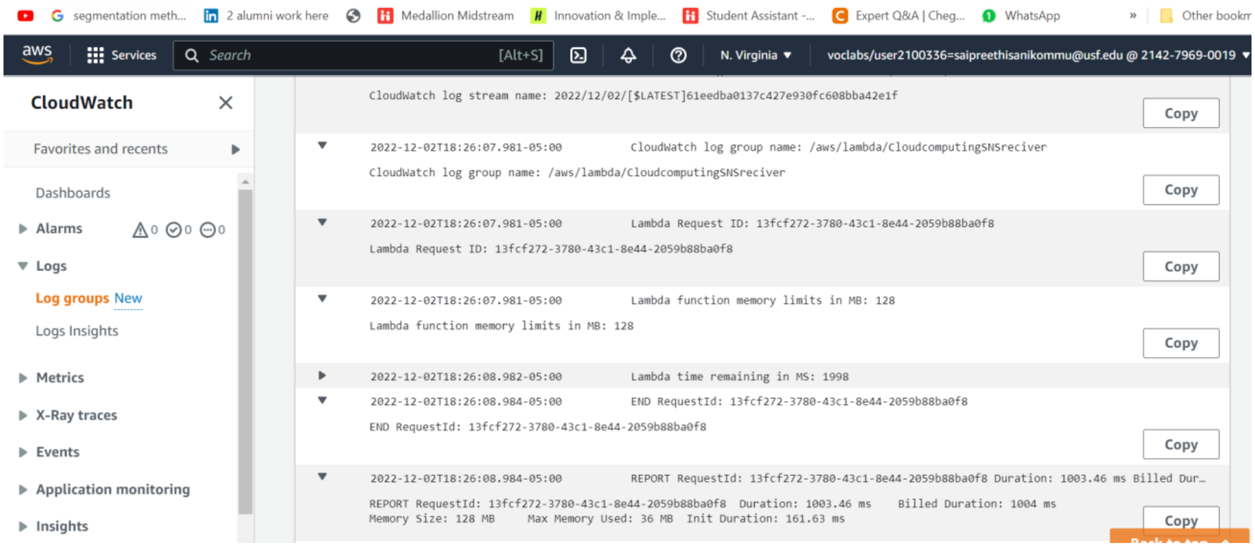
Log events

You can use the filter bar below to search for and match terms, phrases, or values in your log events. Learn more about filter patterns

Timestamp	Message
	No older events at this moment. Retry
2022-12-02T18:26:07.980-05:00	START RequestId: 13fcf272-3780-43c1-8e44-2059b88ba0f8 Version: $LATEST
2022-12-02T18:26:07.981-05:00	Lambda function ARN: arn:aws:lambda:us-east-1:214279690019:function:CloudcomputingSNSr…
2022-12-02T18:26:07.981-05:00	CloudWatch log stream name: 2022/12/02/[$LATEST]61eedba0137c427e930fc608bba42e1f
2022-12-02T18:26:07.981-05:00	CloudWatch log group name: /aws/lambda/CloudcomputingSNSreciver

```
Lambda function ARN: arn:aws:lambda:us-east-1:214279690019:function:CloudcomputingSNSreciver
```

```
CloudWatch log stream name: 2022/12/02/[$LATEST]61eedba0137c427e930fc608bba42e1f
```



```
    CloudWatch log stream name: 2022/12/02/[$LATEST]61eedba0137c427e930fc608bba42e1f

▼   2022-12-02T18:26:07.981-05:00        CloudWatch log group name: /aws/lambda/CloudcomputingSNSreciver
    CloudWatch log group name: /aws/lambda/CloudcomputingSNSreciver

▼   2022-12-02T18:26:07.981-05:00        Lambda Request ID: 13fcf272-3780-43c1-8e44-2059b88ba0f8
    Lambda Request ID: 13fcf272-3780-43c1-8e44-2059b88ba0f8

▼   2022-12-02T18:26:07.981-05:00        Lambda function memory limits in MB: 128
    Lambda function memory limits in MB: 128

▶   2022-12-02T18:26:08.982-05:00        Lambda time remaining in MS: 1998
▼   2022-12-02T18:26:08.984-05:00        END RequestId: 13fcf272-3780-43c1-8e44-2059b88ba0f8
    END RequestId: 13fcf272-3780-43c1-8e44-2059b88ba0f8

▼   2022-12-02T18:26:08.984-05:00        REPORT RequestId: 13fcf272-3780-43c1-8e44-2059b88ba0f8 Duration: 1003.46 ms Billed Dur…
    REPORT RequestId: 13fcf272-3780-43c1-8e44-2059b88ba0f8  Duration: 1003.46 ms    Billed Duration: 1004 ms
    Memory Size: 128 MB     Max Memory Used: 36 MB  Init Duration: 161.63 ms
```