SAS and SES Assignment

Problem Statement AWS Cloud You work for XYZ Corporation. Your team is asked to deploy similar architecture multiple times for testing, development, and production purposes. Implement CloudFormation for the tasks assigned to you below. Tasks To Be Performed:

Create a FIFO SQS queue and test by sending messages.

Register your mail in SES and send a test mail to yourself.

To implement CloudFormation for the tasks assigned to you, you can follow these steps:

Create a FIFO SQS Queue:

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Modify your CloudFormation template to include an AWS::SQS::Queue resource that specifies the type as FIFO (First-In-First-Out).

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Define the necessary attributes for the FIFO SQS queue, such as QueueName, FifoQueue, ContentBasedDeduplication, and other properties as required.

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Click on create

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A screenshot of a computer

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Message has been sent

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Click on poll for messages

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Testing the FIFO SQS Queue:

Register your mail in SES and send a test mail to yourself.

Set up Amazon SES (Simple Email Service) for sending emails.

Register your email address in Amazon SES to verify and authorize it for sending emails.

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We are not purchasing the smtp but will try to send the mesaages

Go to identity and create the identity

A screenshot of a computer

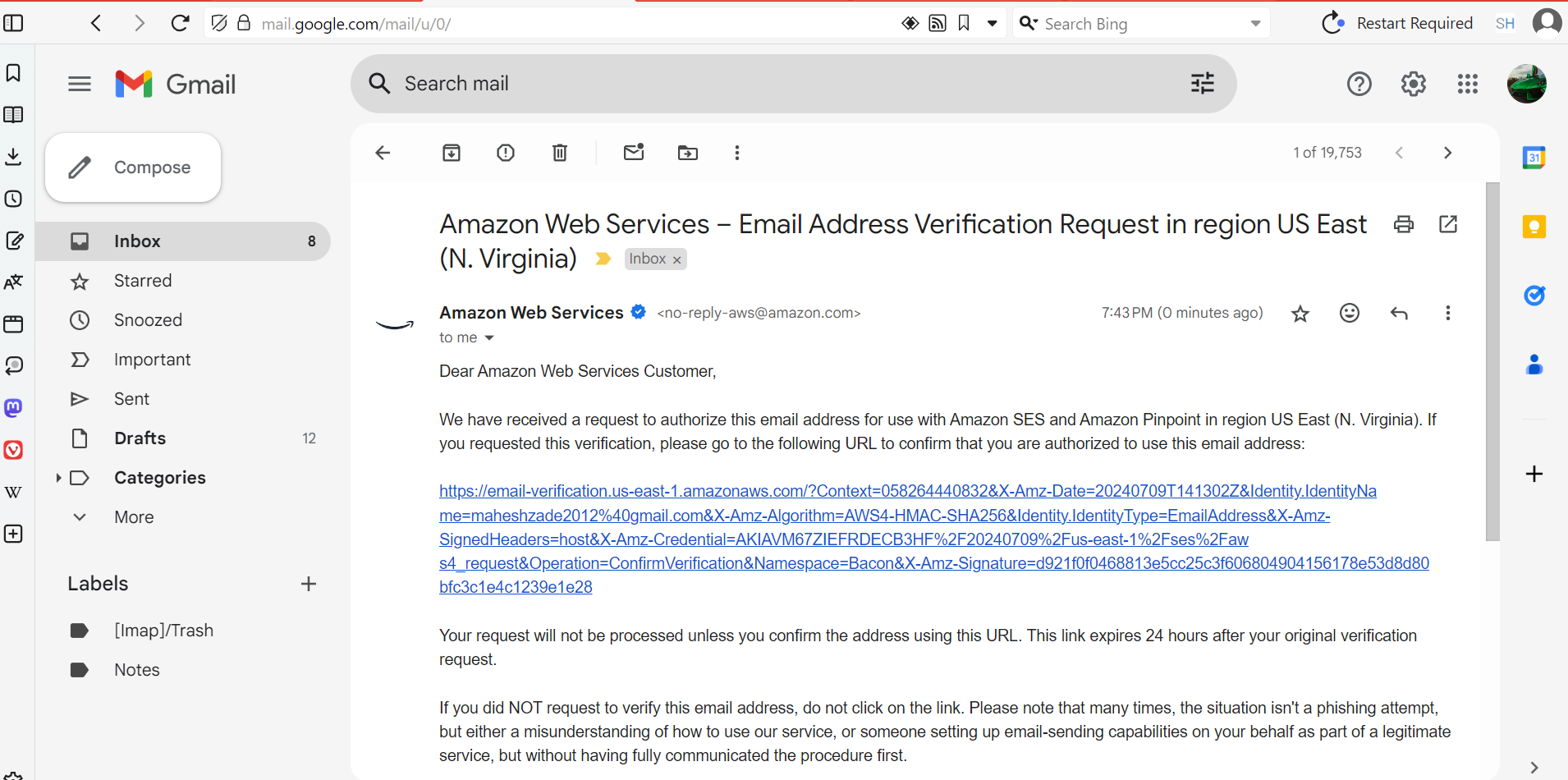
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Click on create identity

To verify ownership of this identity, check your inbox for a verification request email and click the link provided.



A screenshot of a computer

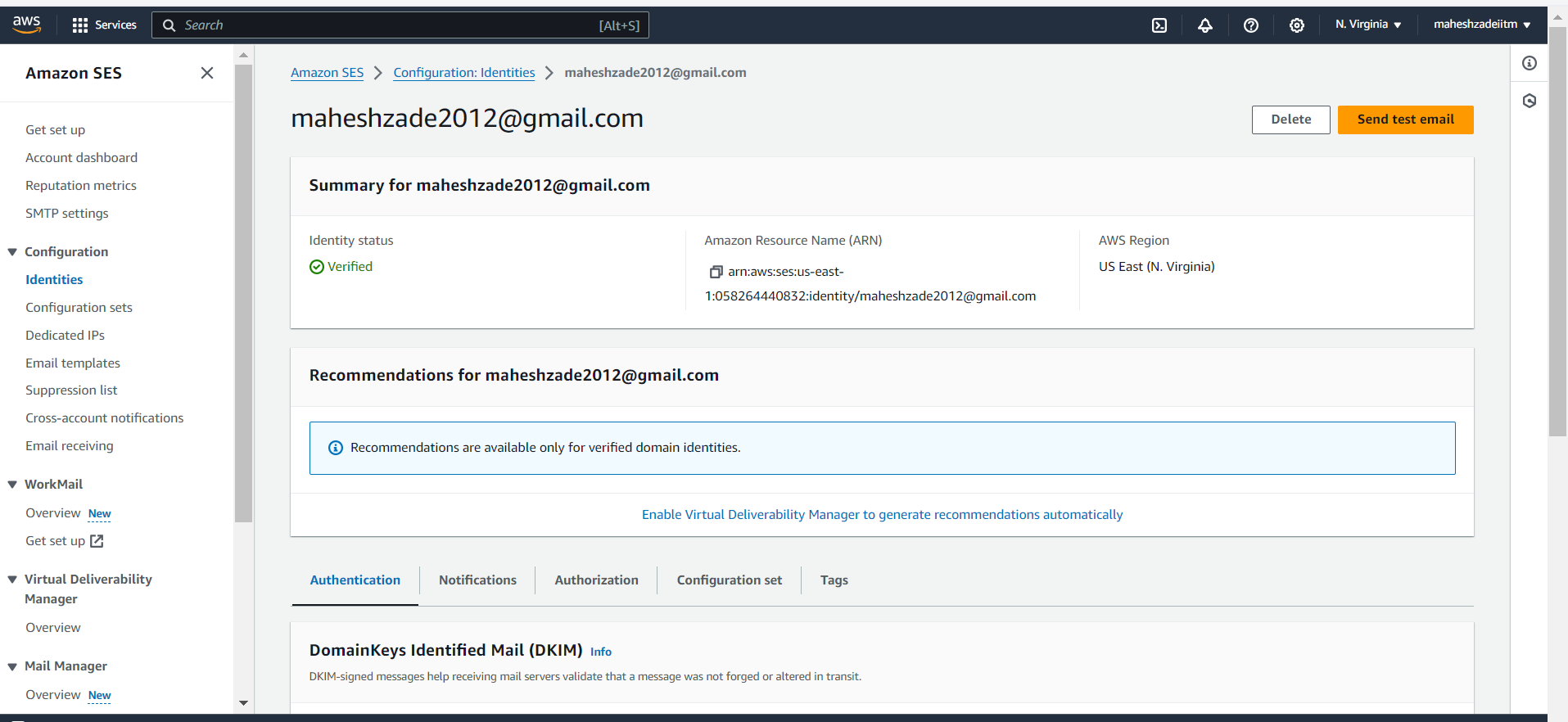
Description automatically generated

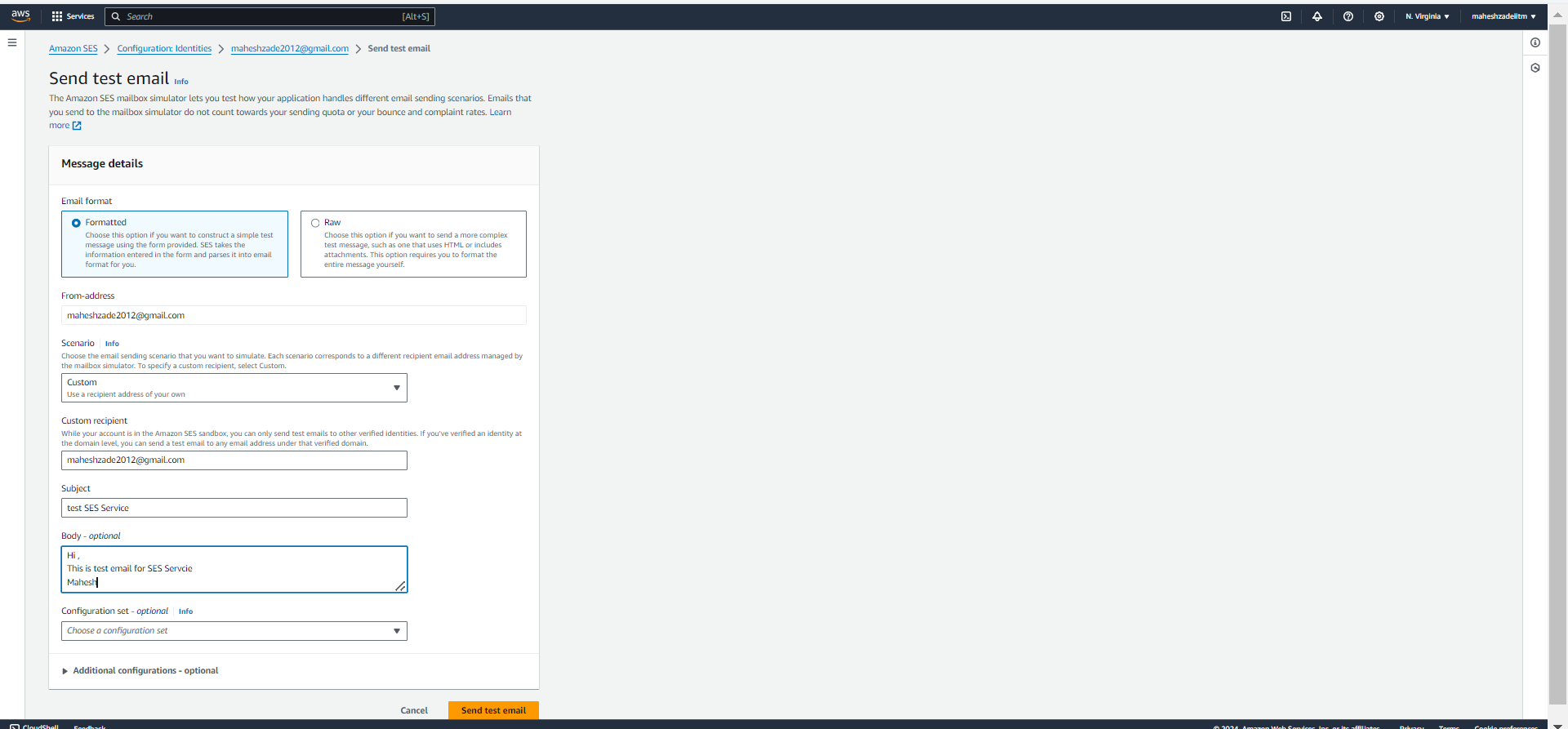
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Email id verified

Lick on send test email





Use the AWS Management Console, AWS CLI, or SDKs to send test messages to the FIFO SQS queue and verify that the messages are processed in the order they were sent.

Register Email in SES and Send Test Email:

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User name : AKIAQ3EGU2AANQTUDQ6U

Password : BOazYHNKcZkK8qEiNvSrhCCB/8BZZ6+hzm1lzomG026d

Hotname : endpoint

email-smtp.us-east-1.amazonaws.com

port are open

STARTTLS Port

25, 587 or 2587

port

Transport Layer Security (TLS)

Required

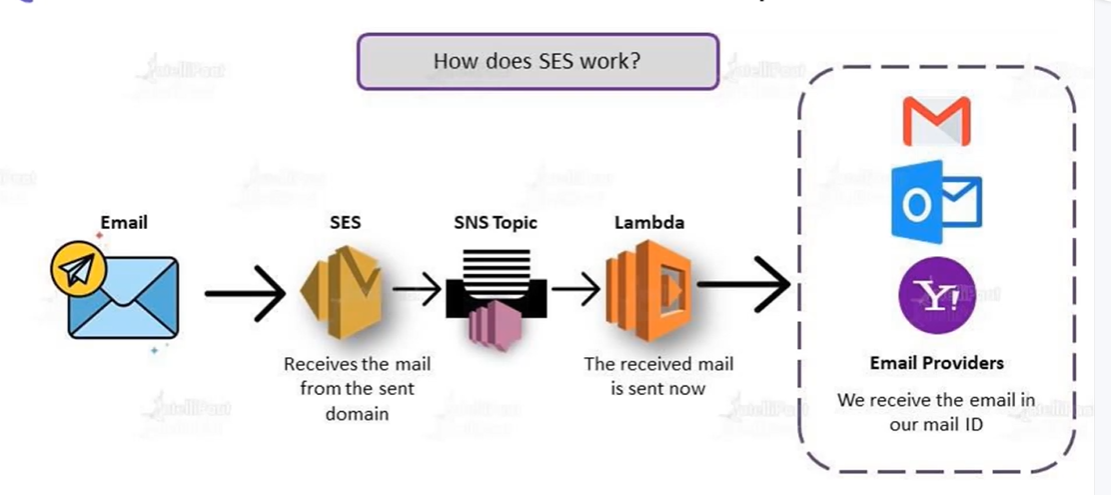
TLS Wrapper Port

465 or 2465

Update in the CloudFormation template to include an AWS::SES::EmailIdentity resource to register your email address.

Send a test email to yourself using Amazon SES to verify that the email sending functionality is working correctly.

Architecture Diagram .



By following these steps and implementing the FIFO SQS queue and SES email sending in your CloudFormation template, we can automate the deployment of these resources for testing, development, and production purposes. Let me know if you need further guidance or assistance with any specific aspect of this implementation.

Thanks