

Problem Statement:

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:

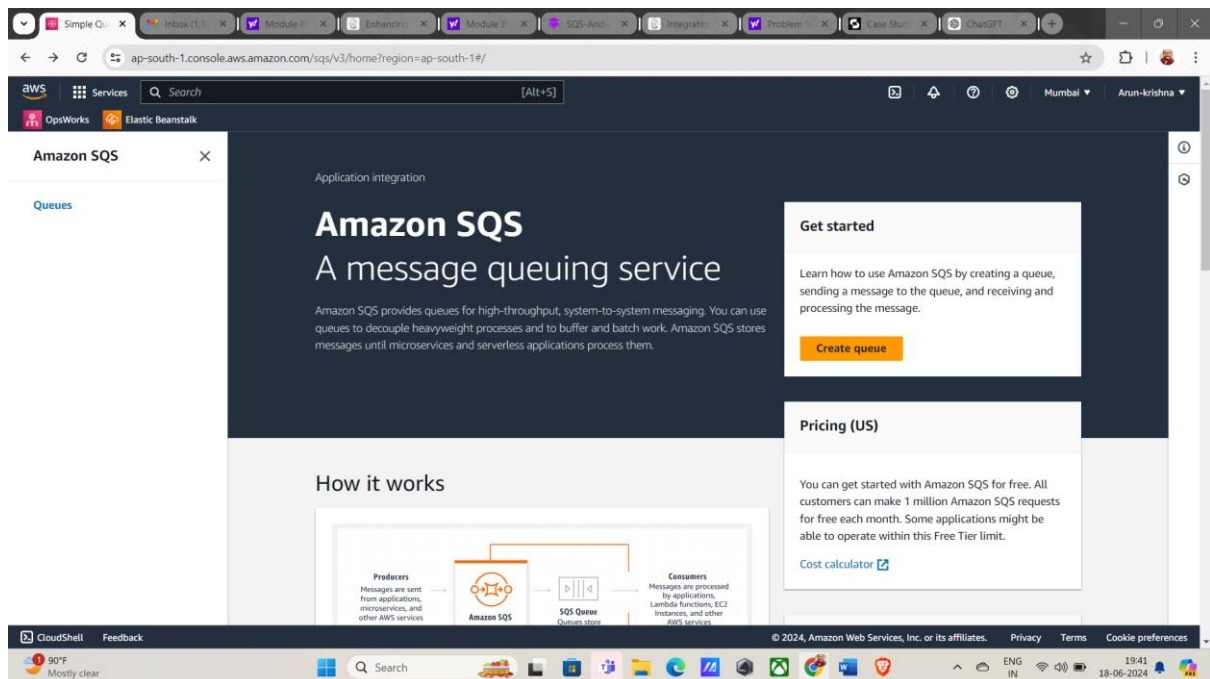
1. Create a FIFO SQS queue and test by sending messages.
2. Register your mail in SES and send a test mail to yourself

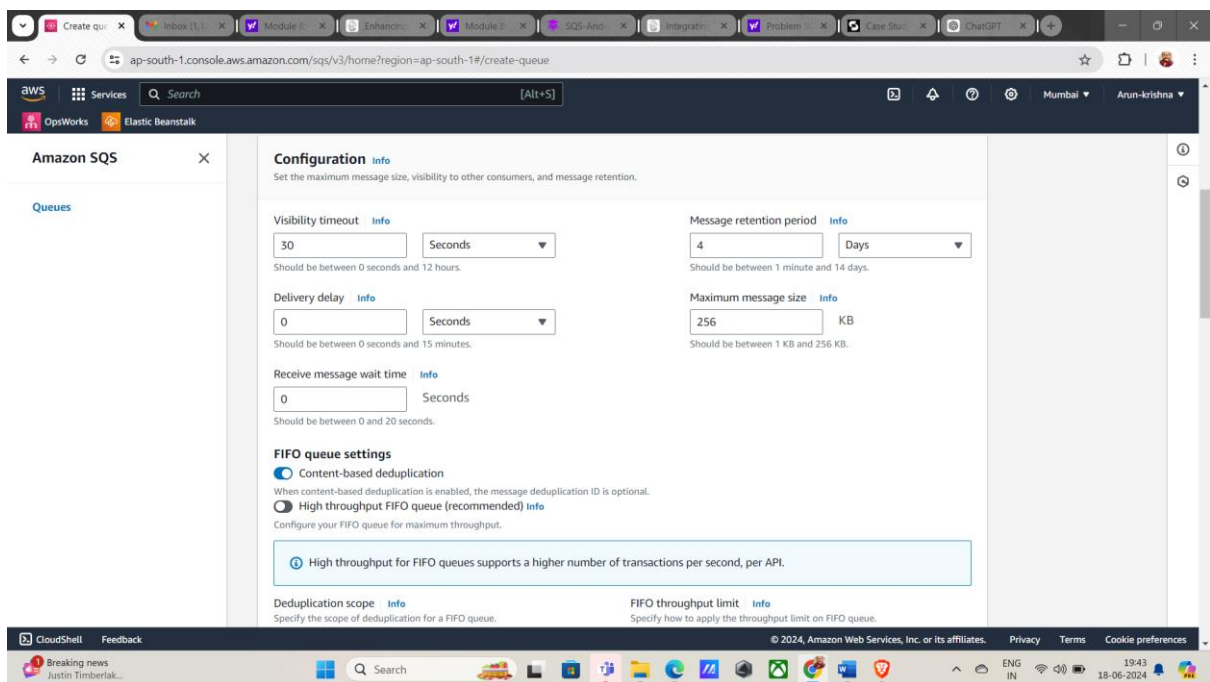
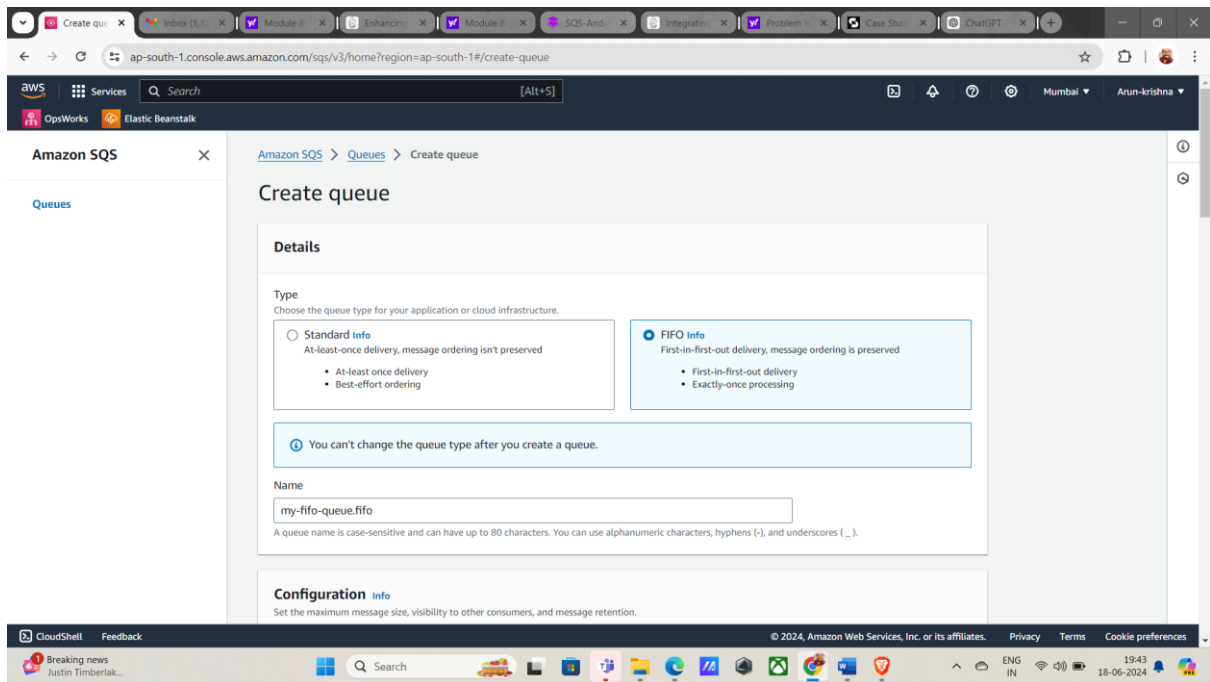
Create a FIFO SQS queue

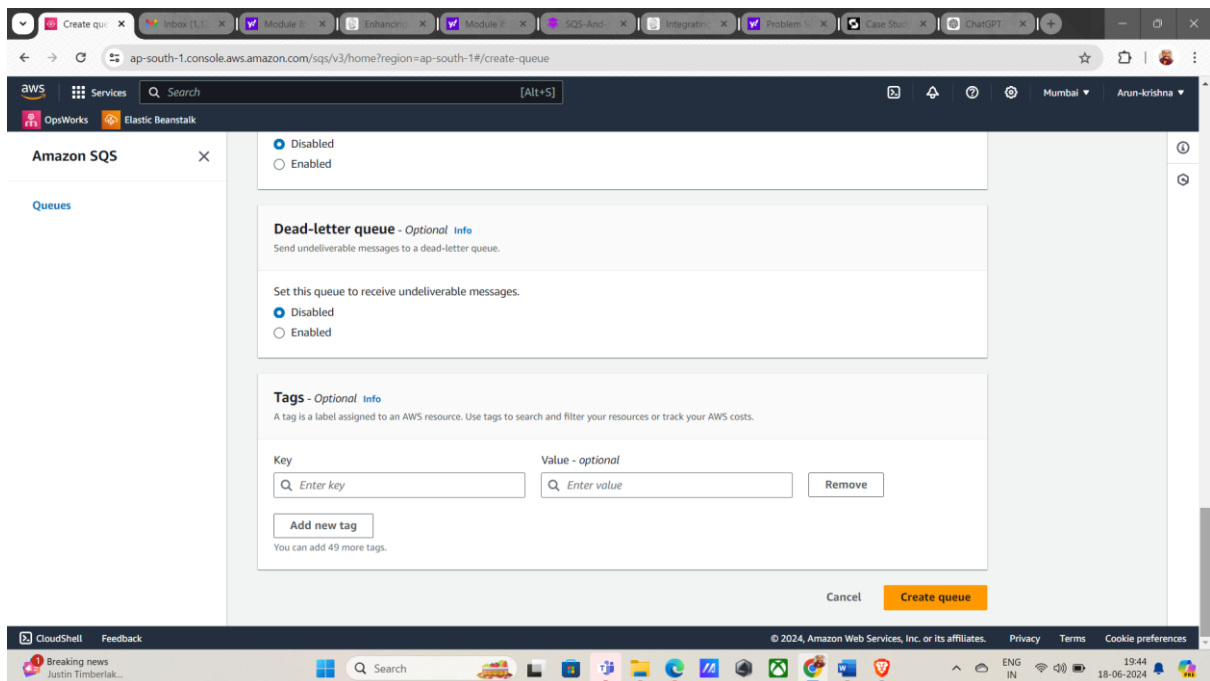
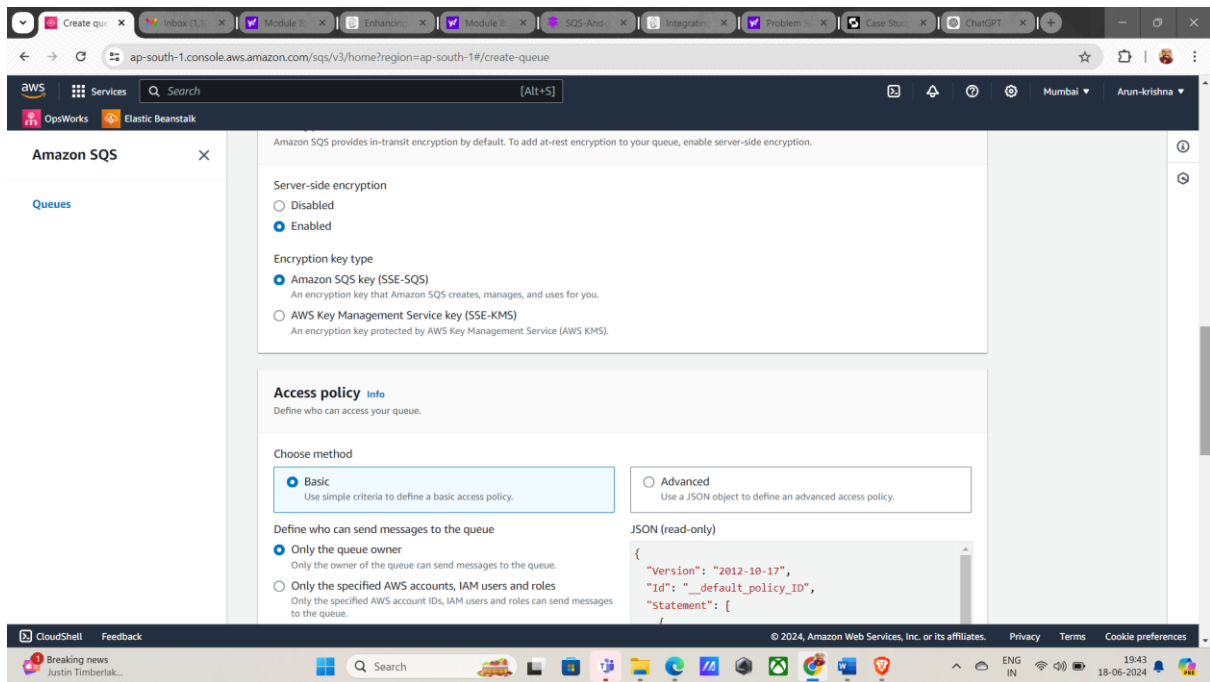
Step 1: Create the FIFO SQS Queue

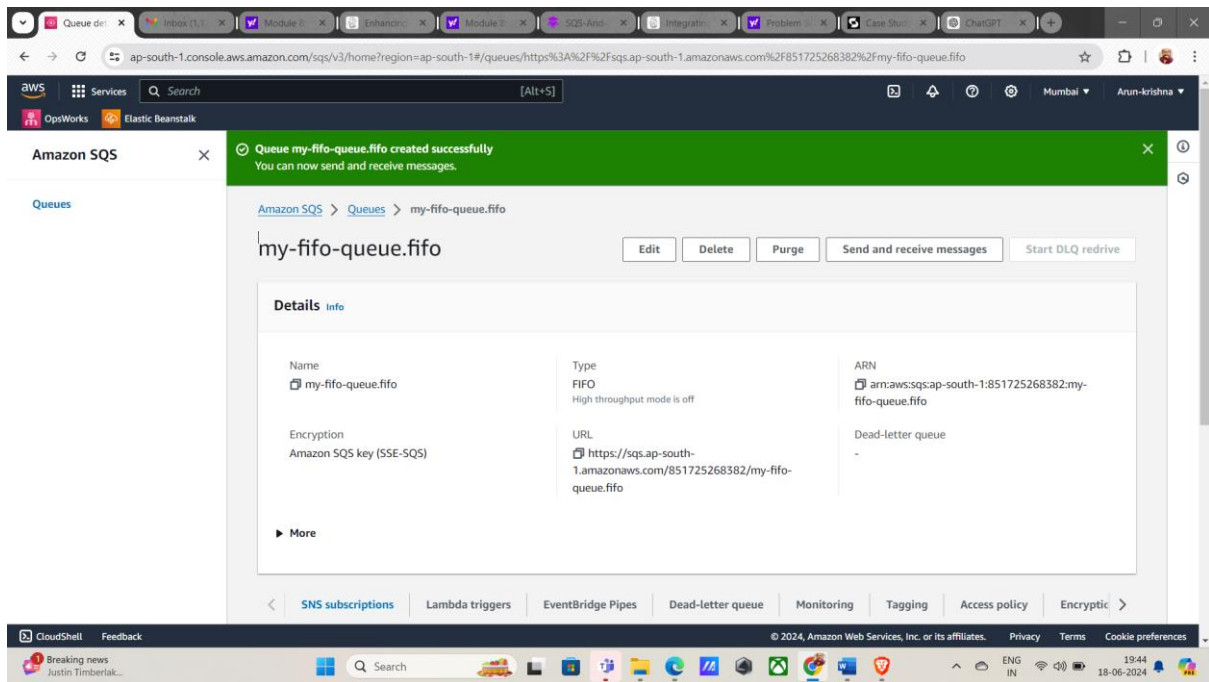
1. **Log in to the AWS Management Console.**
2. Navigate to the **Amazon SQS** service.
3. Click on **Create queue**.
4. Choose **FIFO** for the queue type.
5. Enter a name for the queue that ends with **.fifo**, for example, **my-fifo-queue.fifo**.
6. Configure the queue settings as needed. Make sure to enable **Content-based deduplication** if you want to deduplicate messages automatically based on their content.

Click on Create queue.



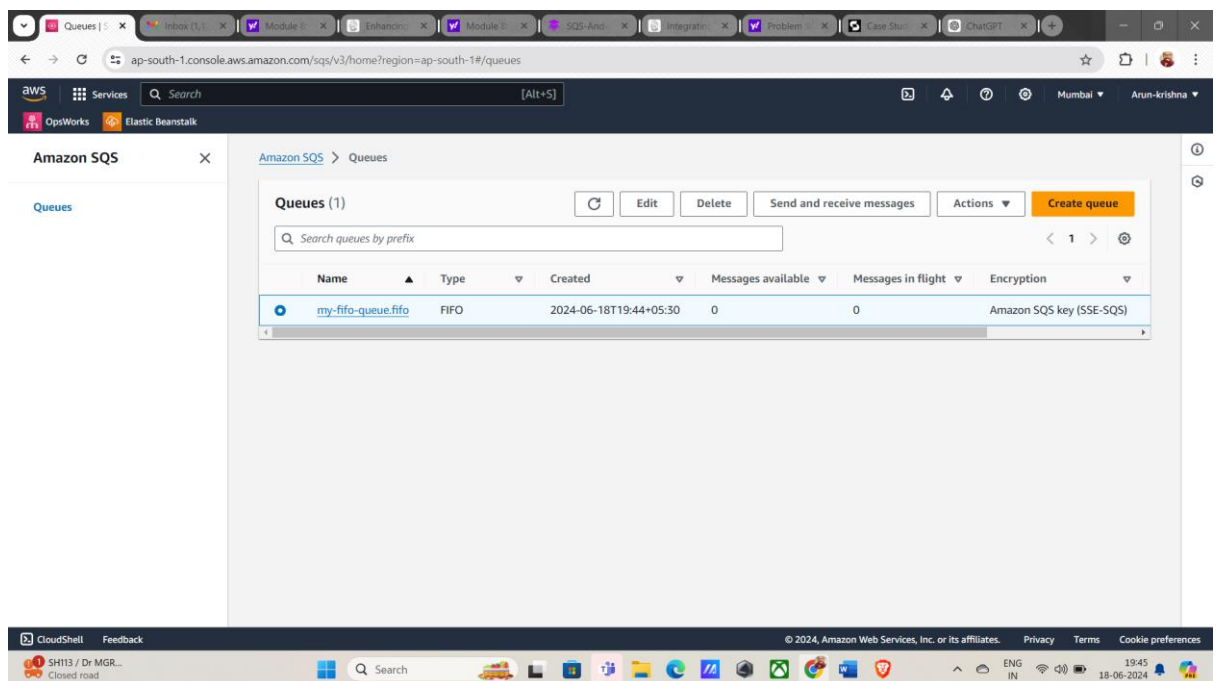






Step 2: Send a Test Message to the FIFO SQS Queue

1. After the queue is created, go back to the SQS dashboard and select your FIFO queue.
2. Click on the **Queue Actions** button and select **Send and receive messages**.
3. In the **Message body** field, enter your test message, e.g., "This is a test message".
4. For **Message group ID**, enter a value such as testGroup.
5. Click on **Send message**.



Queues (1) [Refresh] [Edit] [Delete] [Send and receive messages] [Actions] [Create queue]

Search queues by prefix

Name	Type	Created	Messages available	Messages in flight	Encryption
my-fifo-queue.fifo	FIFO	2024-06-18T19:44:05:30	0	0	Amazon SQS key (SSE-SQS)

CloudShell Feedback

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SH113 / Uthamar... Closed road

Search

ENG IN 19:46 18-06-2024

Send message [Clear content] [Send message]

Message body

Enter the message to send to the queue.

Hi this test message

Message group ID

The tag that specifies that a message belongs to a specific message group.

testGroup

Message deduplication ID - Optional

The token used for deduplication of messages within the deduplication interval.

Enter message deduplication id

Message attributes - Optional [Info]

Receive messages [Info] [Edit poll settings] [Stop polling] [Poll for messages]

Messages available	Polling duration	Maximum message count	Polling progress
0	30	10	0 receives/second 0%

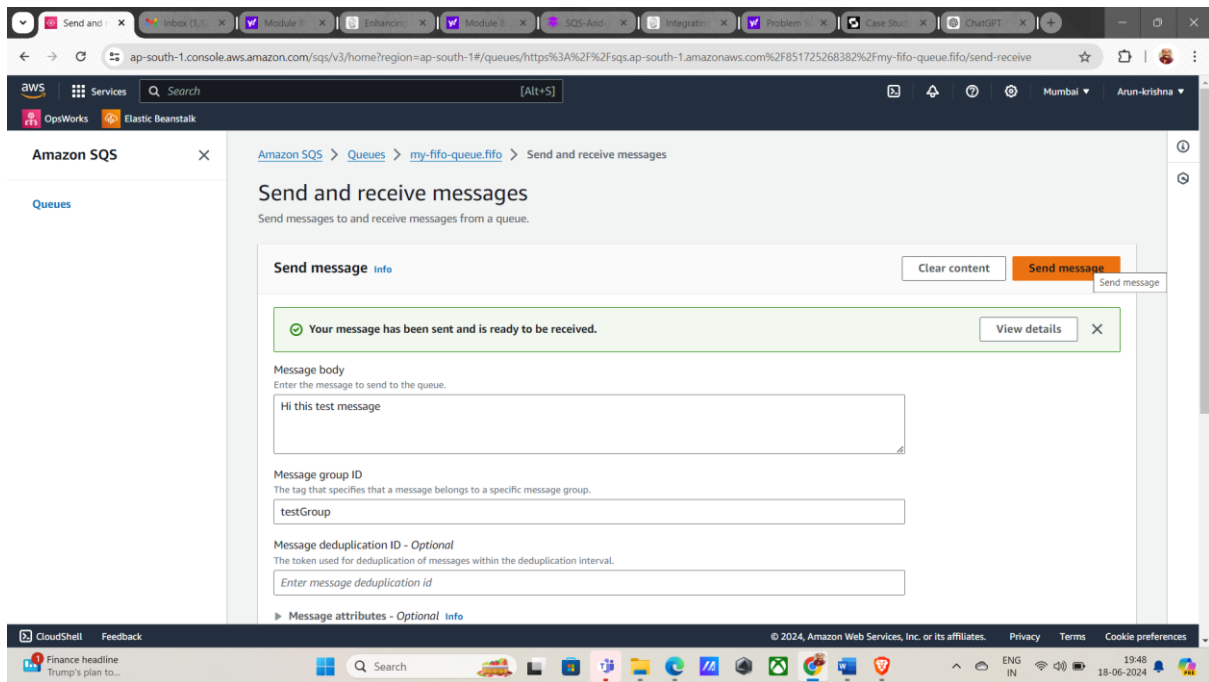
CloudShell Feedback

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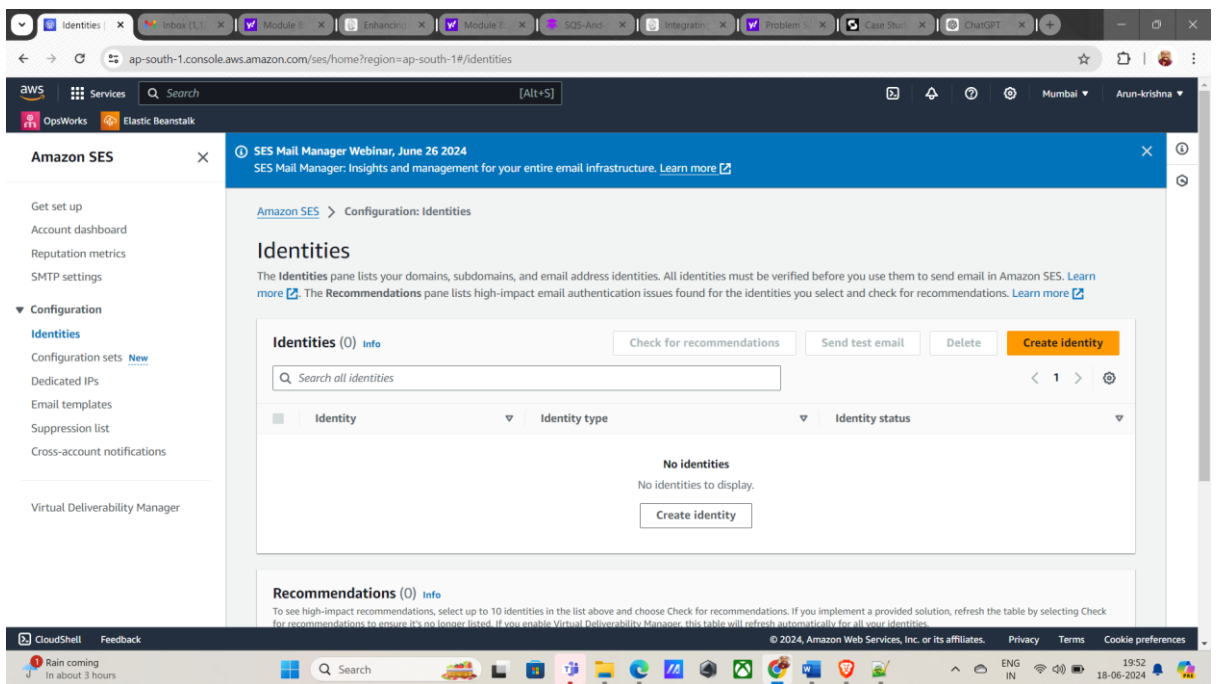
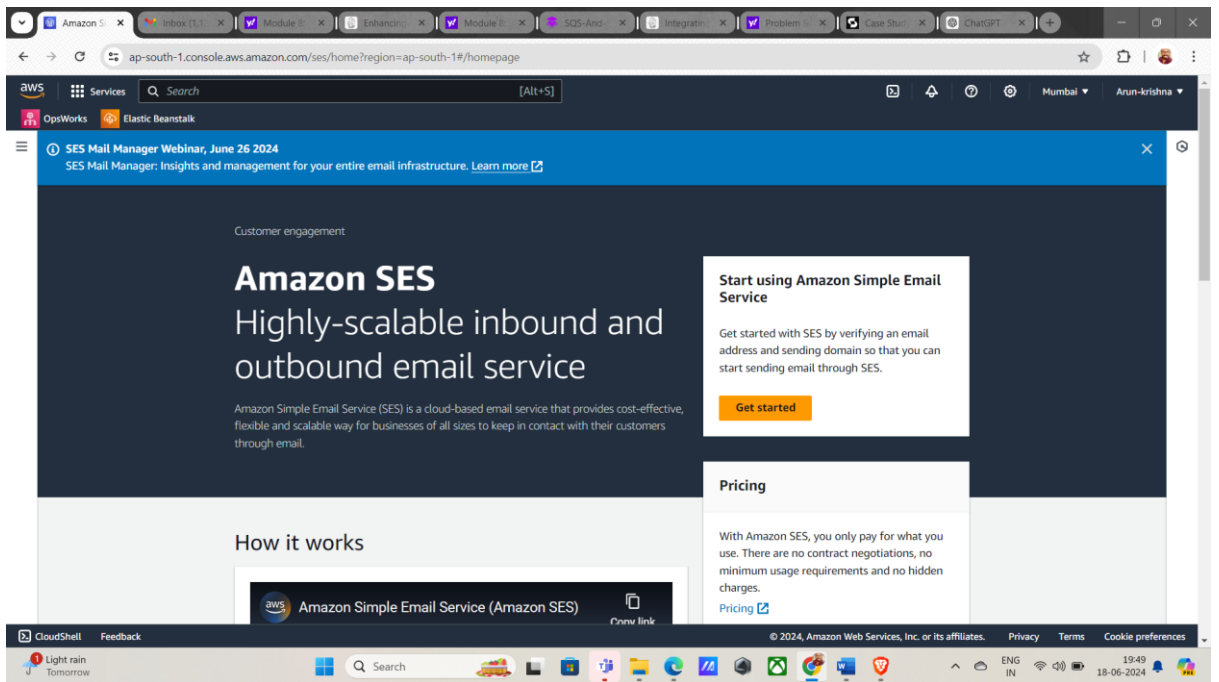
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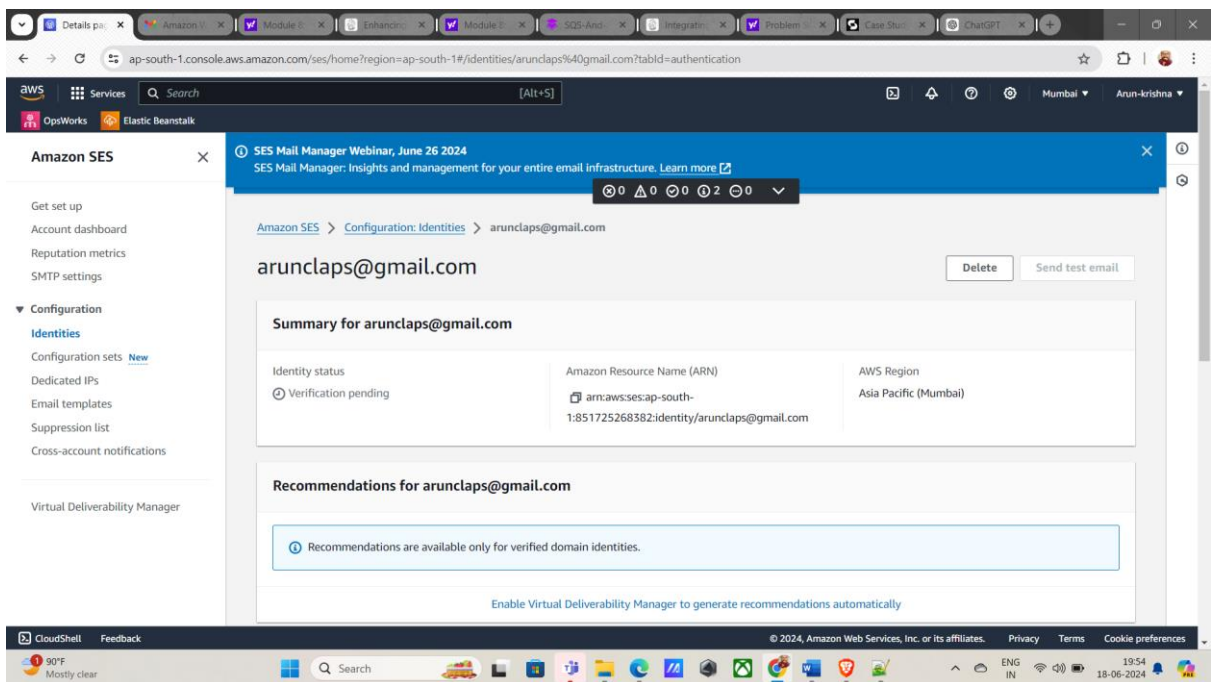
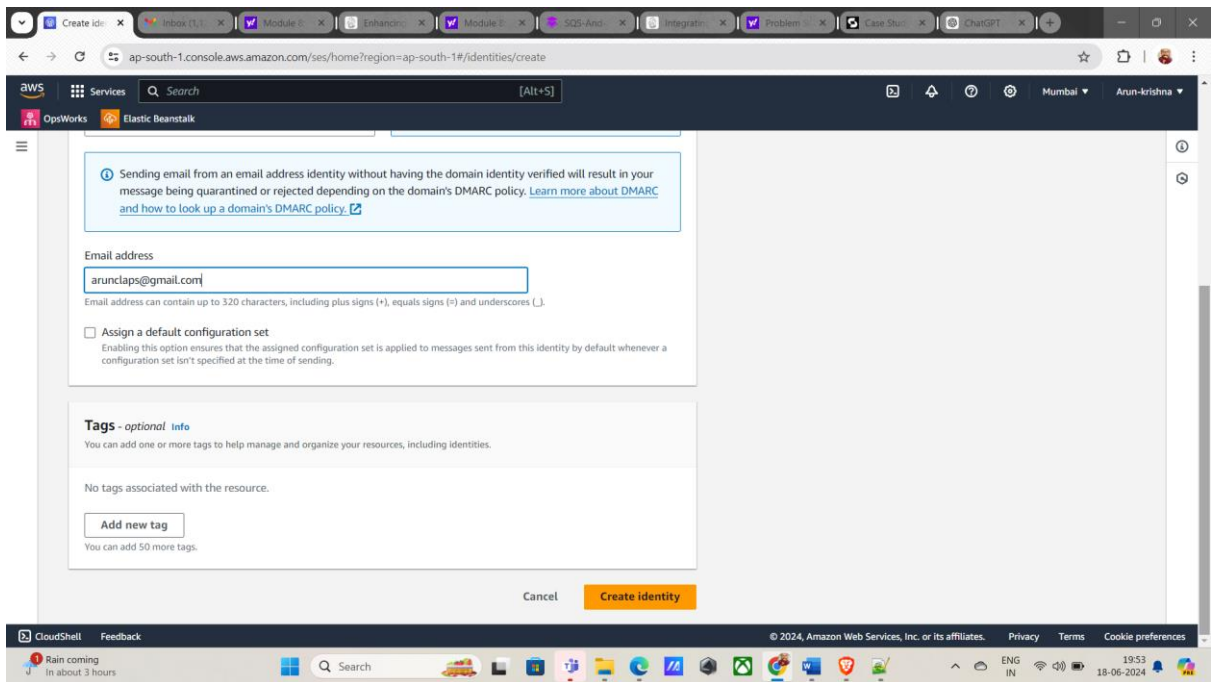


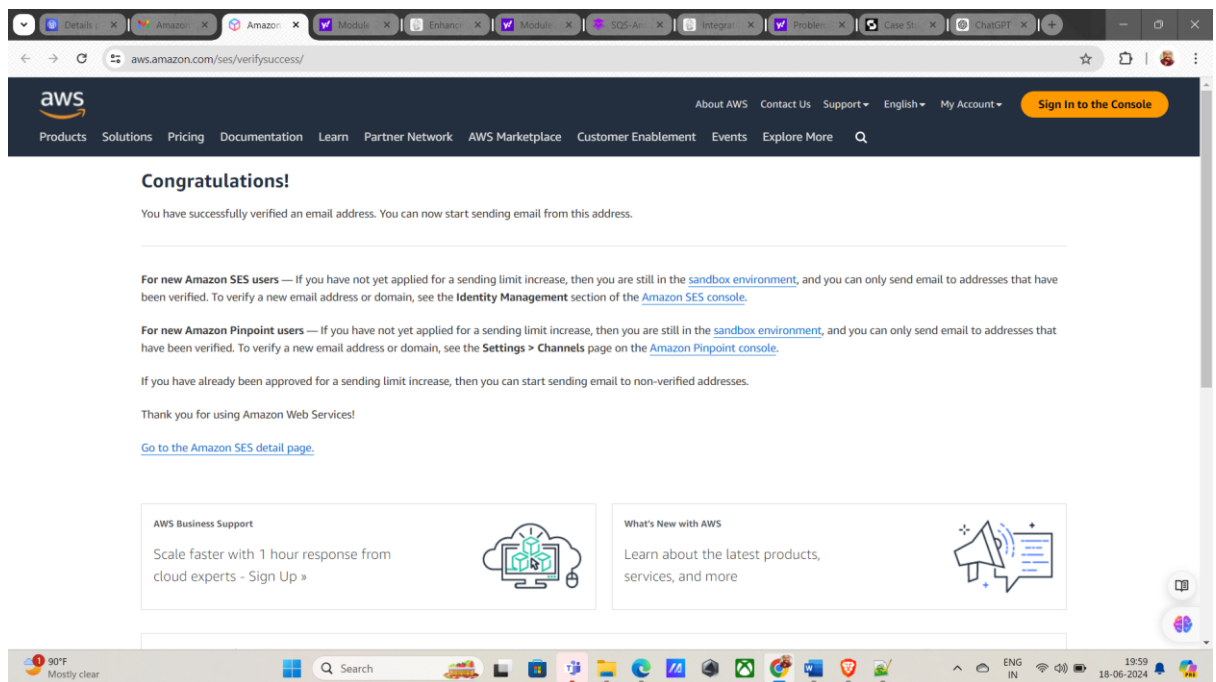
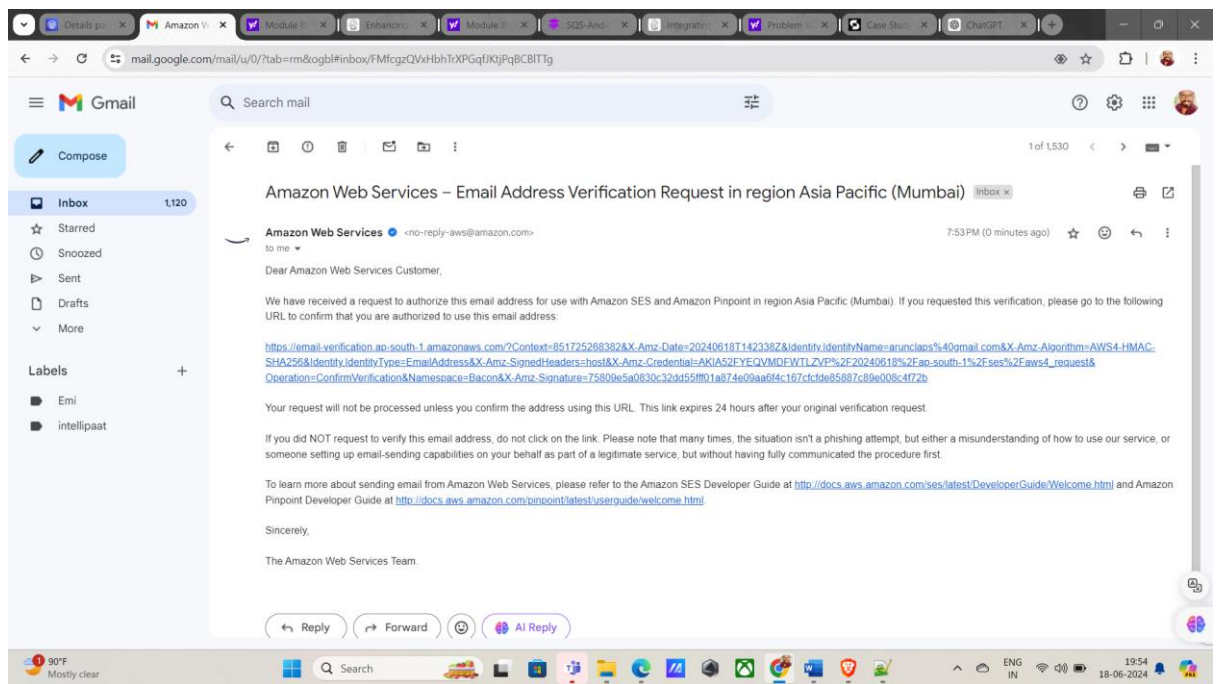
Task 2: Register Your Mail in SES and Send a Test Mail

Step 1: Verify Your Email Address in SES

1. **Log in to the AWS Management Console.**
 2. Navigate to the **Amazon SES** service.
 3. In the left-hand navigation pane, click on **Email Addresses** under the **Identity Management** section.
 4. Click on **Verify a New Email Address.**
 5. Enter your email address and click on **Verify This Email Address.**
-
1. Check your email inbox for the verification email from AWS SES and click on the verification link.







Step 2: Send a Test email using SES

1. Click on Send Test Email.
2. In the Email Address field, enter your verified email address.
3. In the Subject field, enter a subject for your test email, such as "Test Email".

4. In the Body field, enter the content of your test email, such as "This is a test email sent via SES".

5. Click on Send Test Email.

The screenshot displays the AWS Management Console for Amazon SES. The top navigation bar shows the AWS logo, a search bar, and the user's name 'Arun-krishna'. The left sidebar contains the 'Amazon SES' menu with options like 'Get set up', 'Account dashboard', 'Reputation metrics', 'SMTP settings', 'Configuration', 'Identities', 'Configuration sets', 'Dedicated IPs', 'Email templates', 'Suppression list', 'Cross-account notifications', and 'Virtual Deliverability Manager'. The main content area shows the 'Identities' page for 'arunclaps@gmail.com'. It includes a 'Summary' section with the identity status 'Verified', the Amazon Resource Name (ARN) 'arn:aws:ses:ap-south-1:851725268382:identity/arunclaps@gmail.com', and the AWS Region 'Asia Pacific (Mumbai)'. Below this is a 'Recommendations' section with a message: 'Recommendations are available only for verified domain identities.' and a link to 'Enable Virtual Deliverability Manager to generate recommendations automatically'. The 'Send test email' button is prominently displayed. Below the recommendations, there are tabs for 'Authentication', 'Notifications', 'Authorization', 'Configuration set', and 'Tags'. The bottom section of the screenshot shows the 'Message details' form. It has two radio buttons for 'Email format': 'Formatted' (selected) and 'Raw'. The 'From-address' field is filled with 'arunclaps@gmail.com'. The 'Scenario' dropdown is set to 'Choose a scenario'. The 'Subject' field is labeled 'Enter message subject' and the 'Body - optional' field is labeled 'Enter message body'. The bottom of the screenshot shows the Windows taskbar with the date '18-06-2024' and time '20:05'.

