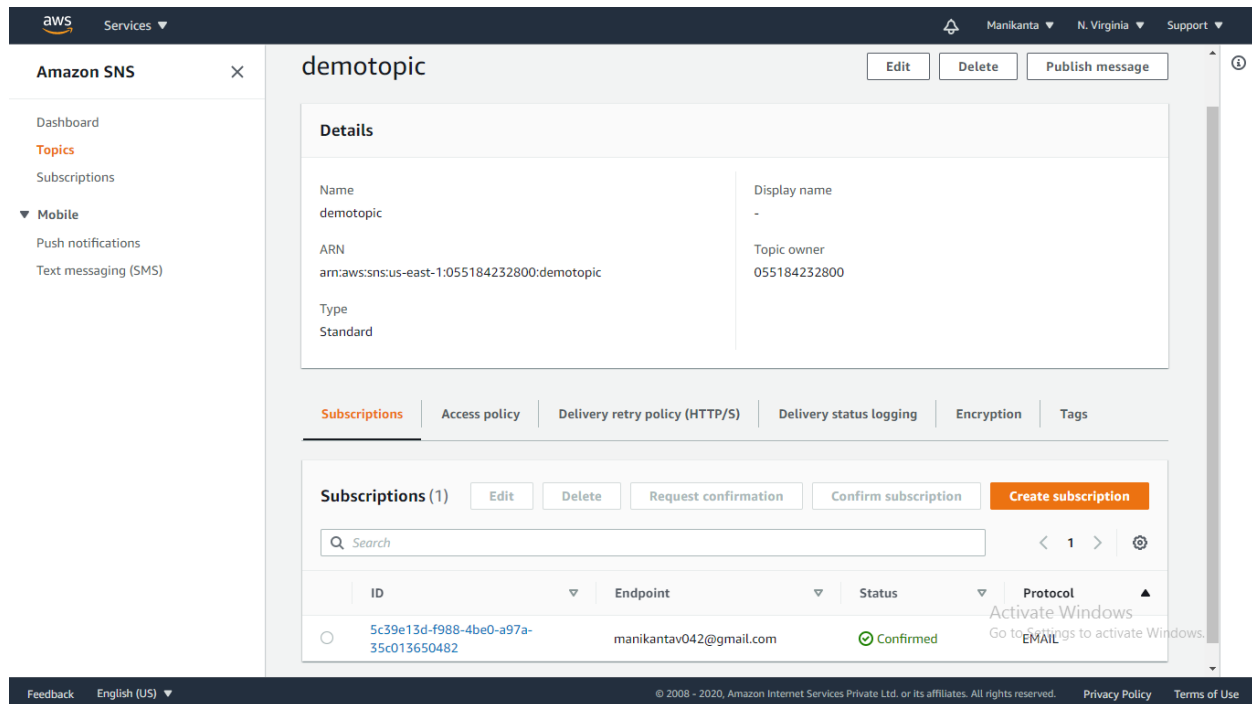
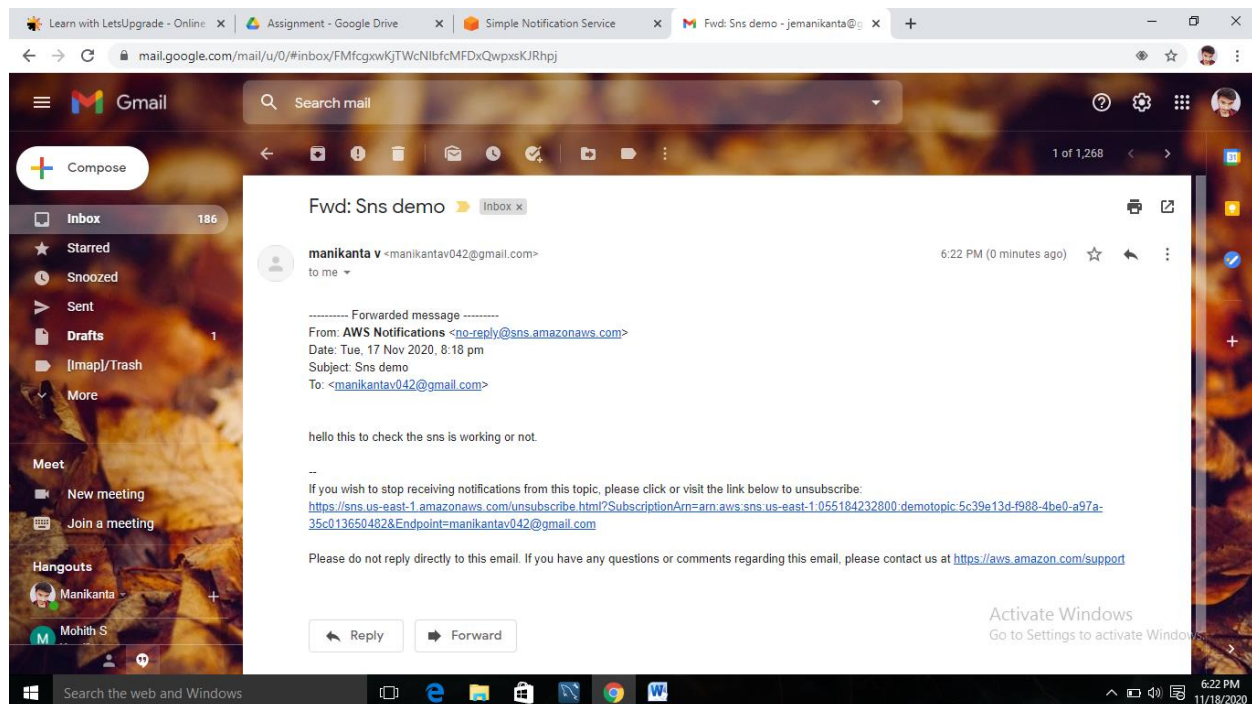


Working with SNS ,SQS,SES

1:SNS console with confirmed subscription and the topic name



2.Message received from the sns



Task 2: Working with Simple queue service.

The screenshot shows the AWS Management Console for the 'demoqueue' in the 'demoqueue' namespace. The console displays the queue's details, including its name, type, ARN, encryption status, URL, and dead-letter queue. Below the details, there are tabs for 'SNS subscriptions', 'Lambda triggers', 'Dead-letter queue', 'Monitoring', 'Tagging', 'Access policy', and 'Encryption'. The 'SNS subscriptions' tab is active, showing a list of subscriptions with a search bar and a 'Subscribe to Amazon SNS topic' button.

demoqueue [Edit] [Delete] [Purge] [Send and receive messages]

Details [Info]

Name	Type	ARN
demoqueue	Standard	arn:aws:sqs:us-east-1:055184232800:demoqueue
Encryption	URL	Dead-letter queue
Disabled	https://sqs.us-east-1.amazonaws.com/055184232800/demoqueue	Disabled

► More

SNS subscriptions [Info] [View in SNS] [Delete] [Subscribe to Amazon SNS topic]

Search subscriptions

Subscription ARN Topic ARN

Polling for messages

The screenshot shows the 'Receive messages' page in the AWS Management Console. It displays the current state of the queue, including the number of messages available, the polling duration, the maximum message count, and the polling progress. Below this, there is a table of messages with columns for ID, Sent, Size, and Receive count. The 'Poll for messages' button is visible, indicating that the queue is being actively monitored for new messages.

Should be between 0 seconds and 15 minutes.

► Message attributes - Optional [Info]

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

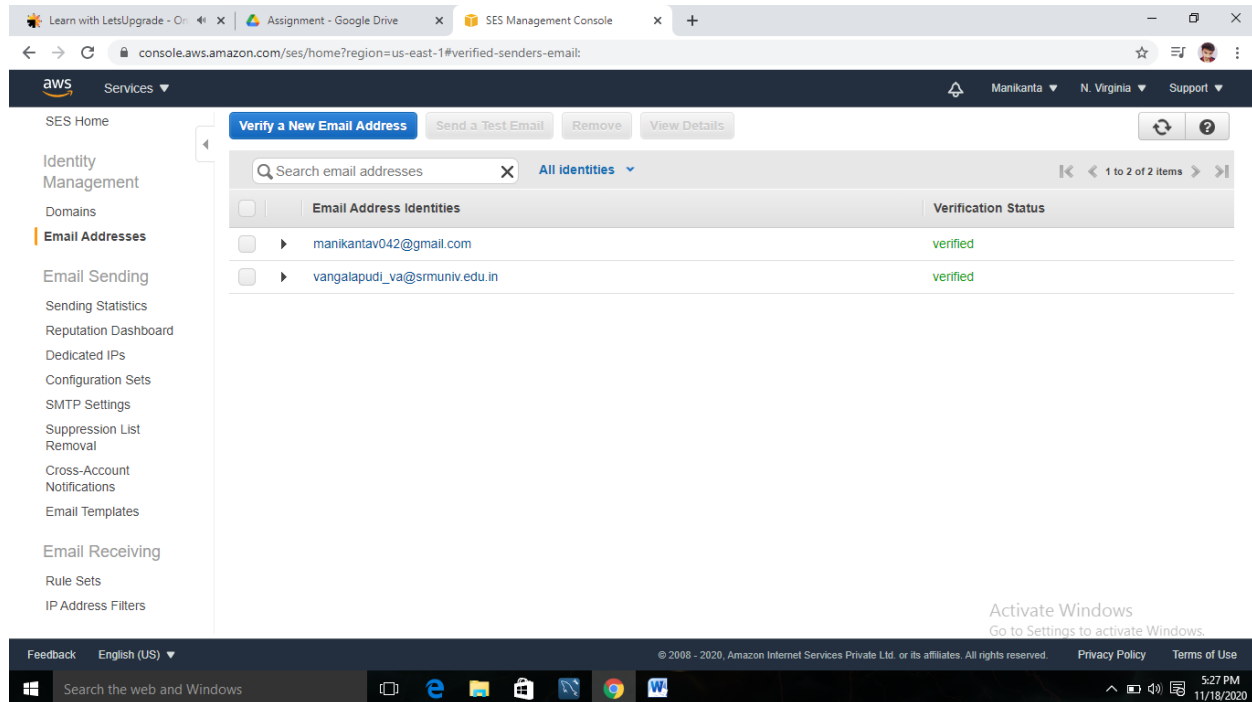
Messages available	Polling duration	Maximum message count	Polling progress
3	30	10	0.8 receives/second

Messages (3) [View details] [Delete]

Search messages

ID	Sent	Size	Receive count
9e0d8ee4-70d2-49d3-b1ee-2a08f29b1f4f	11/18/2020, 17:11:23	941 bytes	1
4c5878d2-b397-427e-b575-7c53126b66c3	11/18/2020, 17:11:02	938 bytes	1
f881637b-d4e5-425d-b187-3af561585d70	11/18/2020, 17:08:22	959 bytes	2

Task 3 :Working with Simple email service:

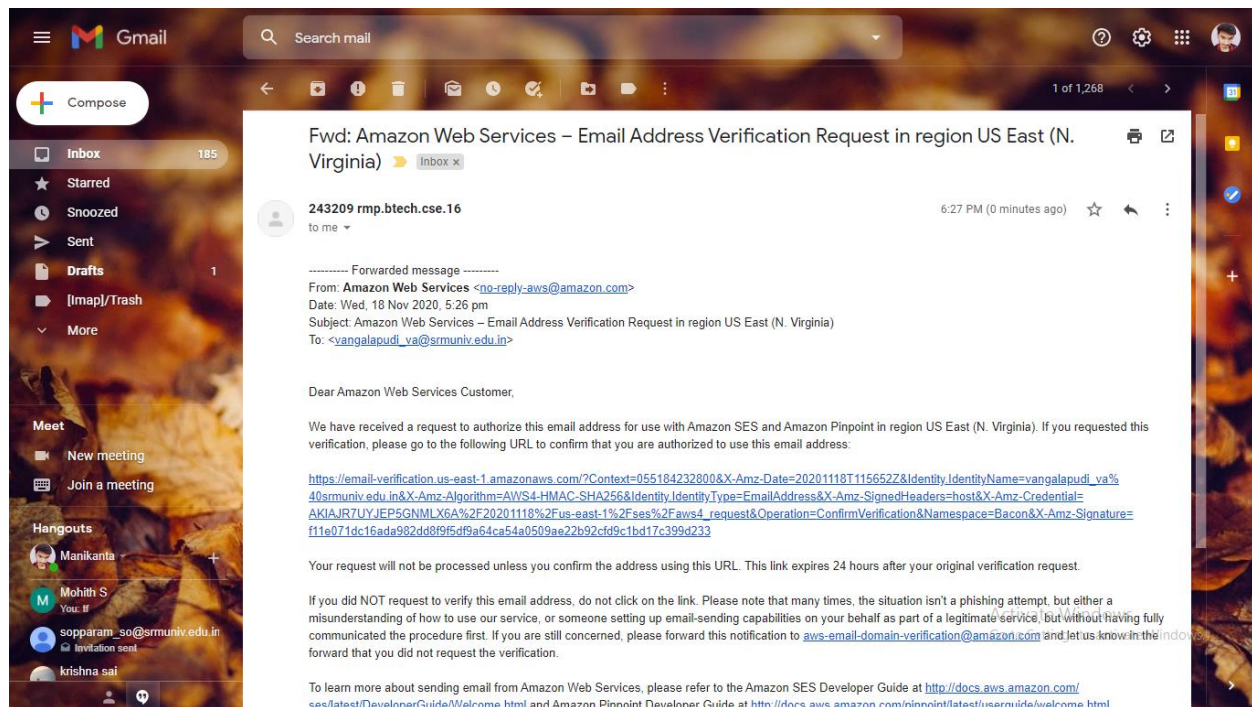


The screenshot shows the AWS SES Management Console in the 'Email Addresses' section. The 'Verify a New Email Address' button is highlighted. Below it, a table lists two verified email addresses:

Email Address Identities	Verification Status
manikantav042@gmail.com	verified
vangalapudi_va@srmuniv.edu.in	verified

The console also shows a sidebar with navigation options like Identity Management, Domains, Email Sending, and Email Receiving. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 5:27 PM on 11/18/2020.

Confirming email:



The screenshot shows a Gmail inbox with a forwarded email from Amazon Web Services. The email subject is 'Fwd: Amazon Web Services – Email Address Verification Request in region US East (N. Virginia)'. The sender is '243209 rmp.btech.cse.16' to the user. The email content includes a forwarded message from Amazon Web Services, dated Wednesday, 18 Nov 2020, 5:26 pm. The subject is 'Amazon Web Services – Email Address Verification Request in region US East (N. Virginia)' and the to is 'vangalapudi_va@srmuniv.edu.in'.

Dear Amazon Web Services Customer,

We have received a request to authorize this email address for use with Amazon SES and Amazon Pinpoint in region US East (N. Virginia). If you requested this verification, please go to the following URL to confirm that you are authorized to use this email address:

https://email-verification.us-east-1.amazonaws.com/?Context=055184232800&X-Amz-Date=20201118T115652Z&Identity.IdentityName=vangalapudi_va%40srmuniv.edu.in&X-Amz-Algorithm=AWS4-HMAC-SHA256&Identity.IdentityType=EmailAddress&X-Amz-SignedHeaders=host&X-Amz-Credential=AKIAJRTUYJEP5GNMLX6A%2F20201118%2Fus-east-1%2Fses%2Faws4_request&Operation=ConfirmVerification&Namespace=Bacon&X-Amz-Signature=f11e071dc16ada982d48f95df9a64ca54a0509ae22b92cfd9c1bd17c399d233

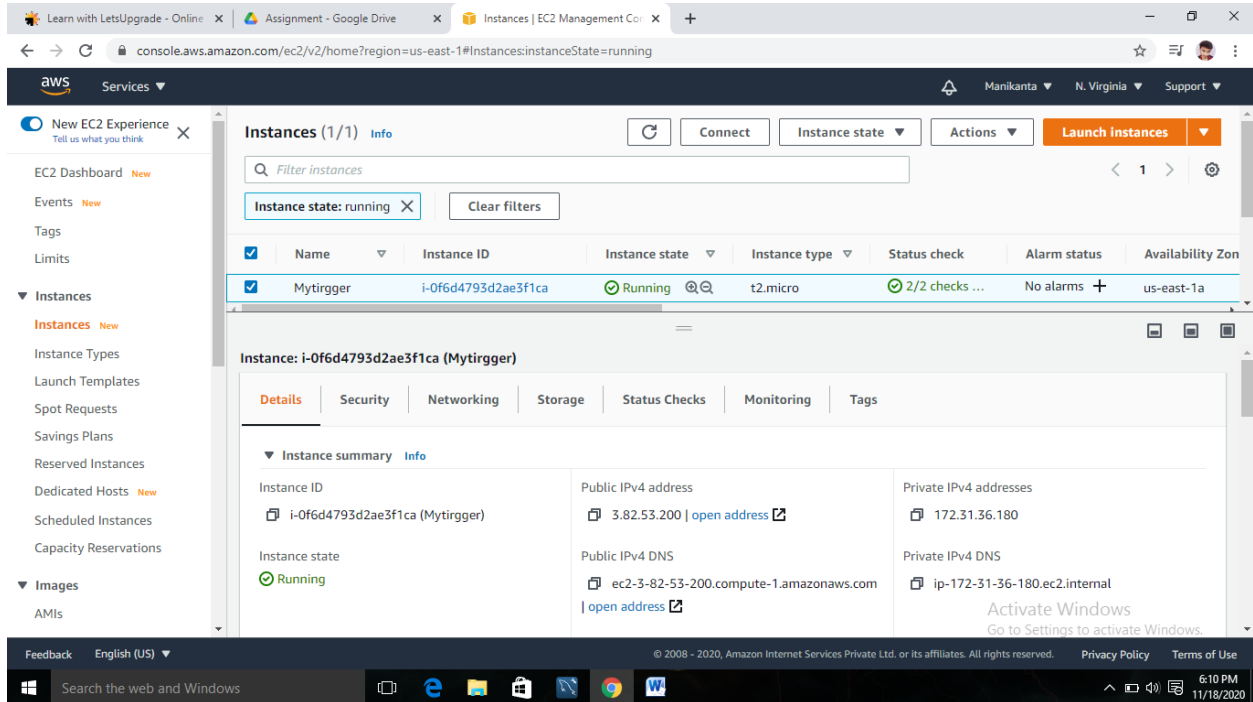
Your request will not be processed unless you confirm the address using this URL. This link expires 24 hours after your original verification request.

If you did NOT request to verify this email address, do not click on the link. Please note that many times, the situation isn't a phishing attempt, but either a misunderstanding of how to use our service, or someone setting up email-sending capabilities on your behalf as part of a legitimate service, but without having fully communicated the procedure first. If you are still concerned, please forward this notification to aws-email-domain-verification@amazon.com and let us know in the comments below.

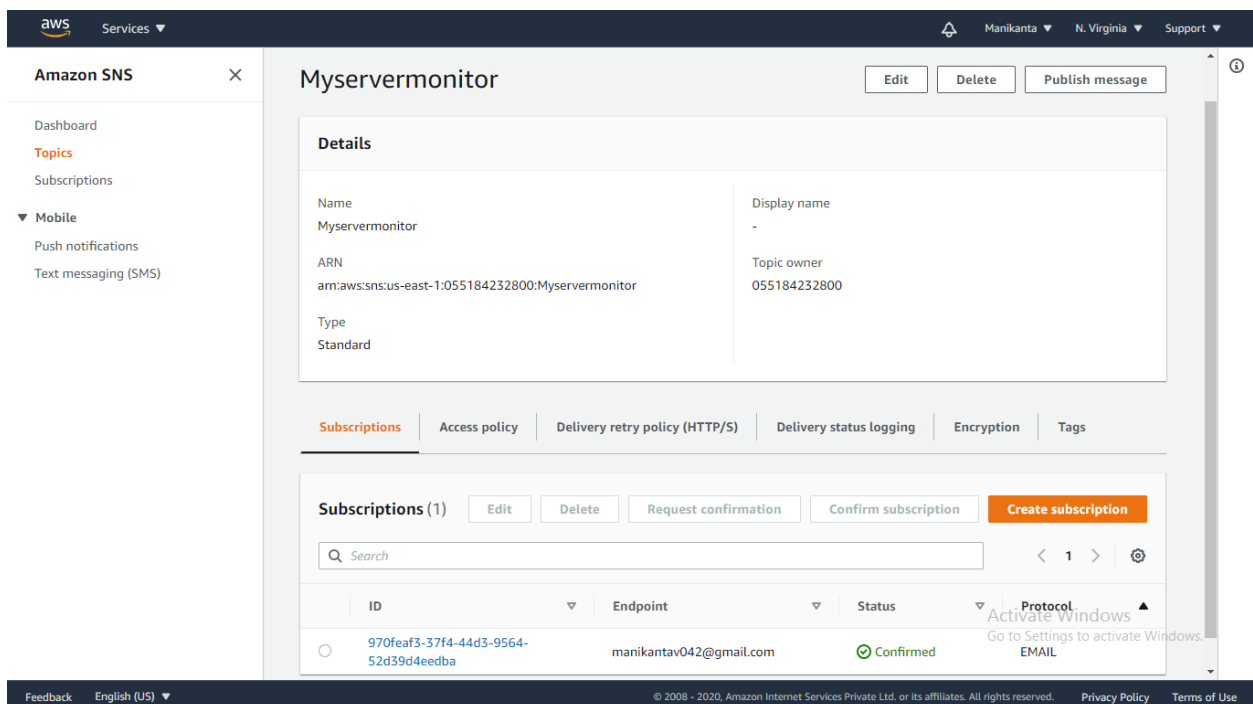
To learn more about sending email from Amazon Web Services, please refer to the Amazon SES Developer Guide at <http://docs.aws.amazon.com/ses/latest/DeveloperGuide/Welcome.html> and Amazon Pinpoint Developer Guide at <http://docs.aws.amazon.com/pinpoint/latest/userguide/welcome.html>.

Task4:Working with cloud watch triggering sns notification:

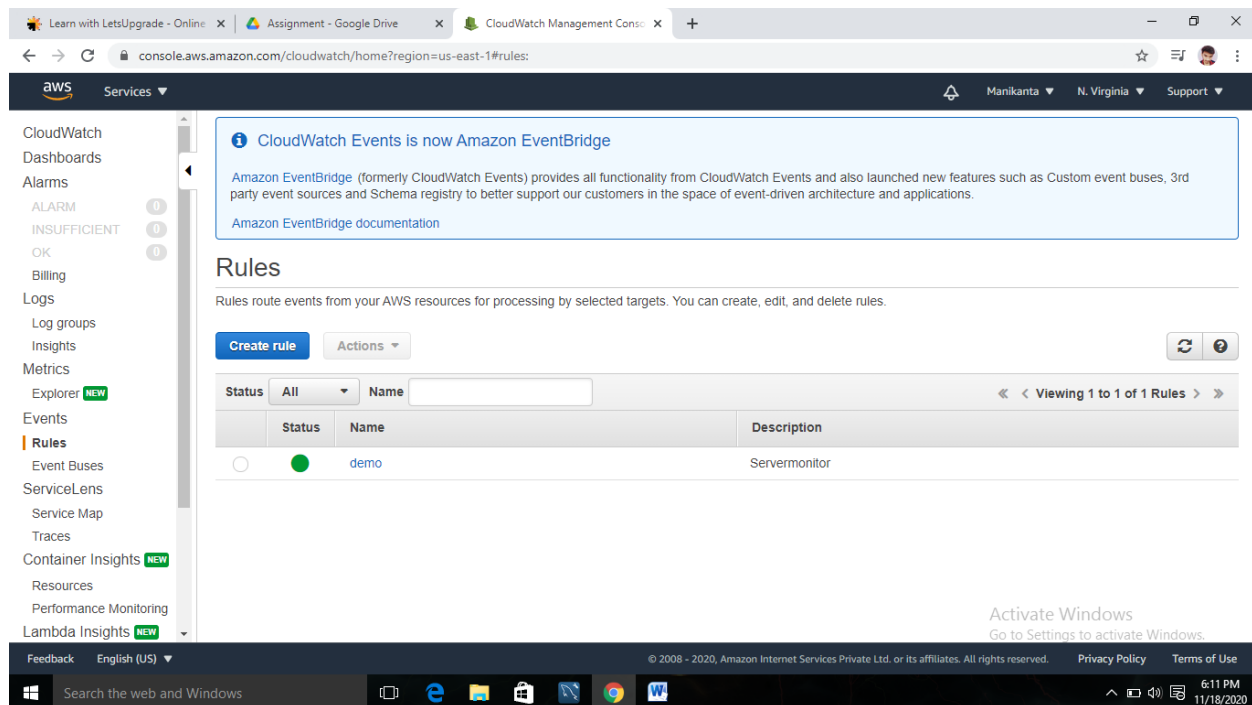
1.Ec2 instance details when we change the instance state a message wii be triggered.



2: SNS topic which is used to send the message when the action is taken place.



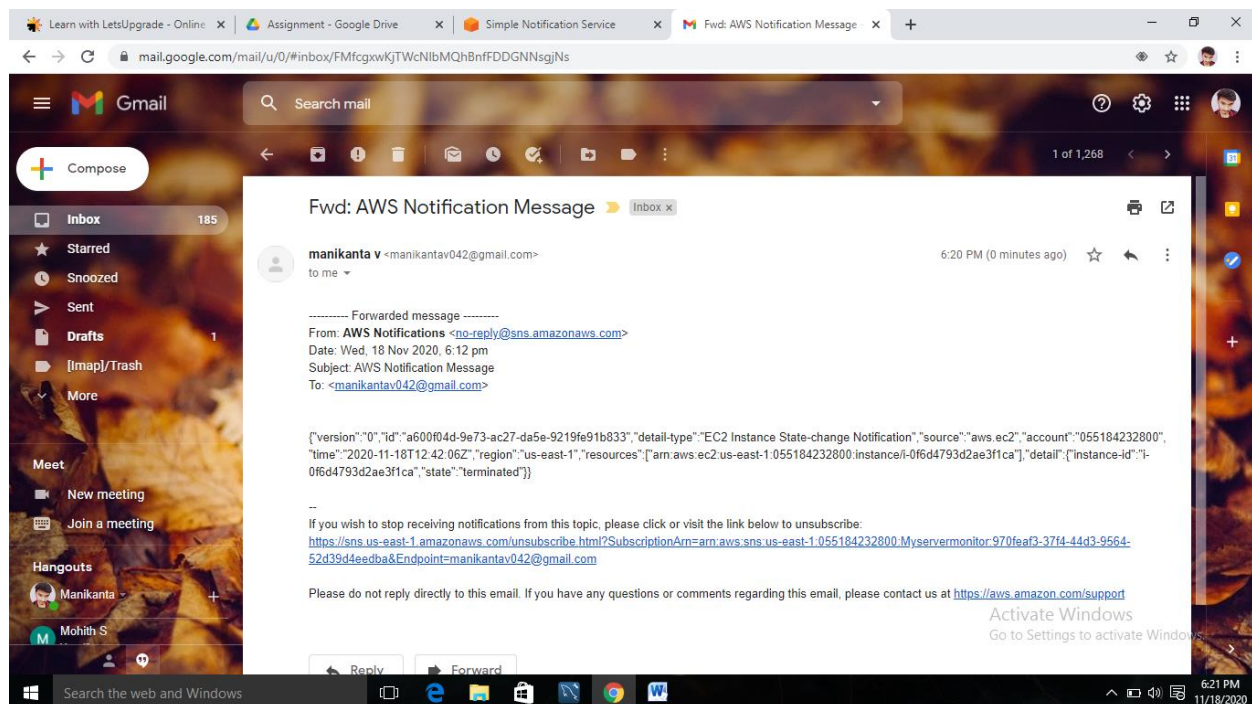
3:Cloud watch which is monitoring the most of the aws service and will be coupled with SNS to get notified.



The screenshot shows the AWS CloudWatch console interface. On the left is a navigation sidebar with options like CloudWatch, Dashboards, Alarms, Logs, Metrics, and Rules. The main content area displays a notification banner for Amazon EventBridge and a 'Rules' section. The 'Rules' section includes a 'Create rule' button and a table listing existing rules. One rule named 'demo' is shown with a status of 'OK' and a description of 'Servermonitor'.

Status	Name	Description
OK	demo	Servermonitor

4:Action Taken Message



The screenshot shows a Gmail inbox with a message titled 'Fwd: AWS Notification Message'. The message is from 'manikanta v' and contains a forwarded email from 'AWS Notifications'. The forwarded email details an EC2 instance state change notification for an instance named 'Servermonitor'. It includes a JSON payload with instance details and a link to unsubscribe from notifications.

From: AWS Notifications <no-reply@sns.amazonaws.com>
Date: Wed, 18 Nov 2020, 6:12 pm
Subject: AWS Notification Message
To: <manikantav042@gmail.com>

```
{ "version": "0", "id": "a600f04d-9e73-ac27-da5e-9219fe91b833", "detail-type": "EC2 Instance State-change Notification", "source": "aws.ec2", "account": "055184232800", "time": "2020-11-18T12:42:06Z", "region": "us-east-1", "resources": [ "arn:aws:ec2:us-east-1:055184232800:instance/i-0f6d4793d2ae3f1ca" ], "detail": { "instance-id": "i-0f6d4793d2ae3f1ca", "state": "terminated" } }
```

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:
<https://sns.us-east-1.amazonaws.com/subscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:055184232800:Myservermonitor:970faaf3-3714-44d3-9564-52d39d4eedba&Endpoint=manikantav042@gmail.com>

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>