

## **Problem Statement:**

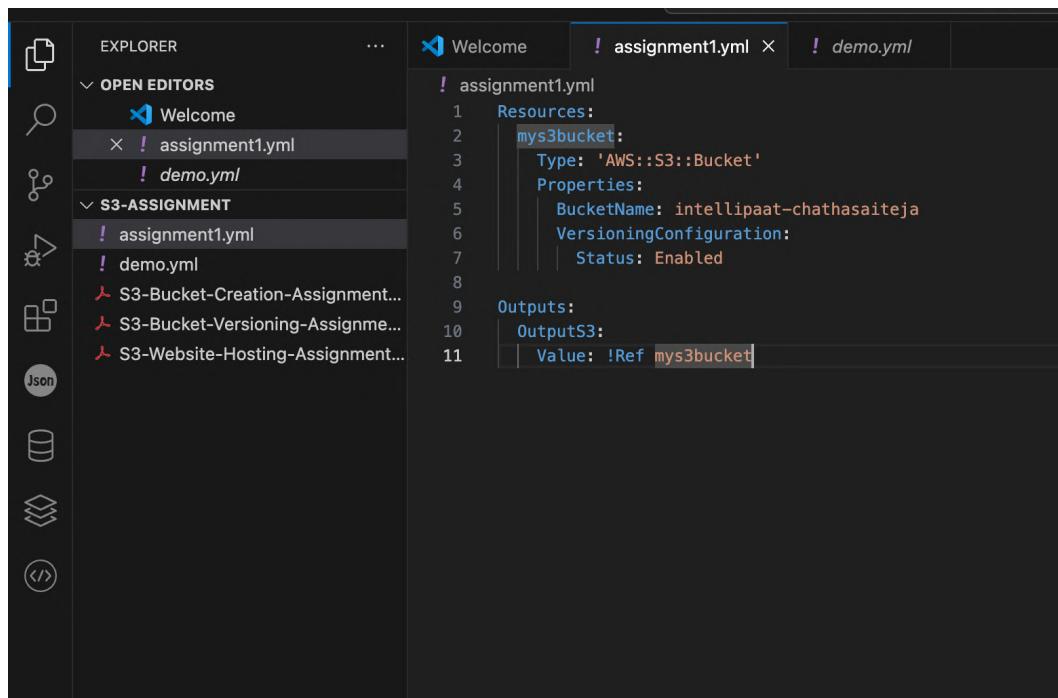
You work for XYZ Corporation. Your team is asked to deploy similar architecture multiple times for testing, development, and production purposes. Implement CloudFormation for the tasks assigned to you below.

## **Tasks To Be Performed:**

1. Use the template from CloudFormation task 1.
2. Add Notification to the CloudFormation stack using SNS so that you get a notification via mail for every step of the stack creation process.

## **Step -By-Step Procedure:-**

**Step 1:** In task 1 we created a S3 bucket using a cloud formation here is the template to create the bucket then we use the same template for this task and enable notifications via email for every step of the stack..



```
! assignment1.yml
1 Resources:
2   mys3bucket:
3     Type: 'AWS::S3::Bucket'
4     Properties:
5       BucketName: intellipaat-chathasaiteja
6       VersioningConfiguration:
7         Status: Enabled
8
9   Outputs:
10    OutputS3:
11      Value: !Ref mys3bucket
```

Template for creating S3 bucket

**Step 2:-**Open the AWS CloudFormation console, select Create stack, provide a stack name, upload the existing template file, and proceed by clicking Next.

The screenshot shows the AWS CloudFormation search results. The search bar at the top contains the query "cloudformation". Below the search bar, there are two main sections: "Services" and "Features". The "Services" section highlights "CloudFormation" as the top feature, describing it as "Create and Manage Resources with Templates". It also lists "CloudFront" and "Infrastructure Composer" as top features. The "Features" section includes "IaC Generator", "Spotlight", and "Public extensions". At the bottom left, there's a feedback section asking "Were these results helpful?" with "Yes" and "No" buttons. At the bottom right, there are links for "Privacy", "Terms", and "Cookie preferences". The URL in the address bar is <https://us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1>.

Search cloud formation on console

The screenshot shows the AWS CloudFormation Stacks page. The title bar says "Stack | CloudFormation". The main area displays a table with one row, indicating "No stacks" and "No stacks to display". There is a prominent orange "Create stack" button. Below the table, there is a link to "View getting started guide". At the bottom, there are links for "CloudShell", "Feedback", and "Console Mobile App". The URL in the address bar is <https://us-east-1.console.aws.amazon.com/cloudformation/stacks?region=us-east-1>.

Click on create stack

**Prerequisite - Prepare template**  
You can also create a template by scanning your existing resources in the [IaC generator](#).

**Prepare template**  
Every stack is based on a template. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in the stack.

Choose an existing template  
Upload or choose an existing template.

Build from Infrastructure Composer  
Create a template using a visual builder.

**Specify template** Info  
This [GitHub repository](#) contains sample CloudFormation templates that can help you get started on new infrastructure projects. [Learn more](#)

**Template source**  
Selecting a template generates an Amazon S3 URL where it will be stored. A template is a JSON or YAML file that describes your stack's resources and properties.

Amazon S3 URL  
Provide an Amazon S3 URL to your template.

Upload a template file  
Upload your template directly to the console.

Sync from Git  
Sync a template from your Git repository.

S3 URL: Will be generated when template file is uploaded [View in Infrastructure Composer](#)

Upload existing template(template from task1)

**Choose file**

assignment1.yaml

demo.yaml

2028

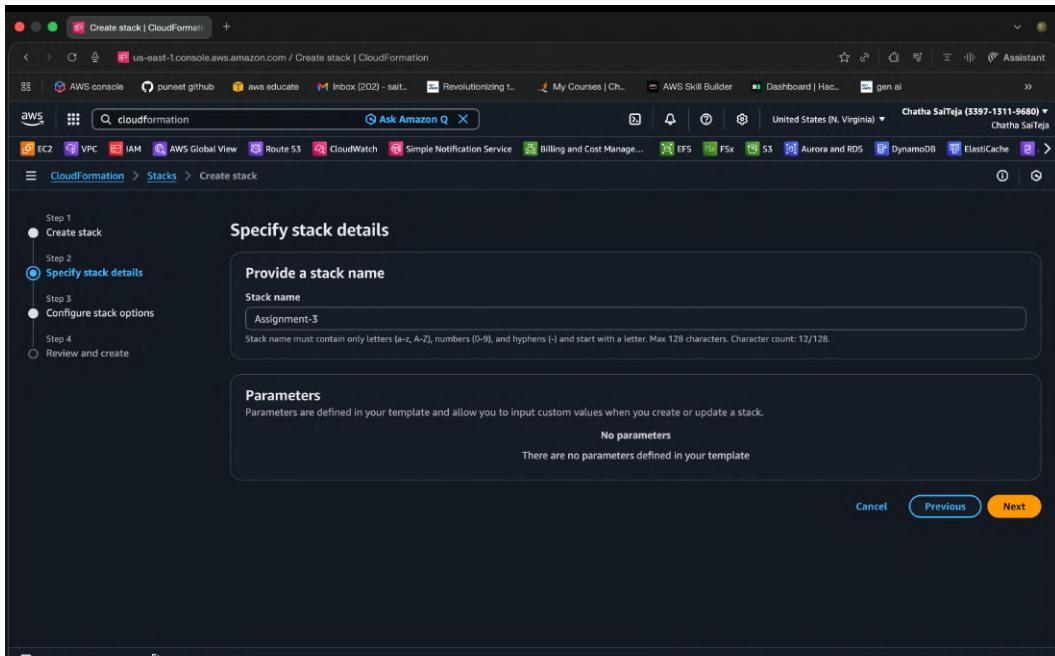
S3-Bucket-Creation-Assignment---1.pdf

S3-Website-Hosting-Assignment---3.pdf

S3-Bucket-Versioning-Assignment---2.pdf

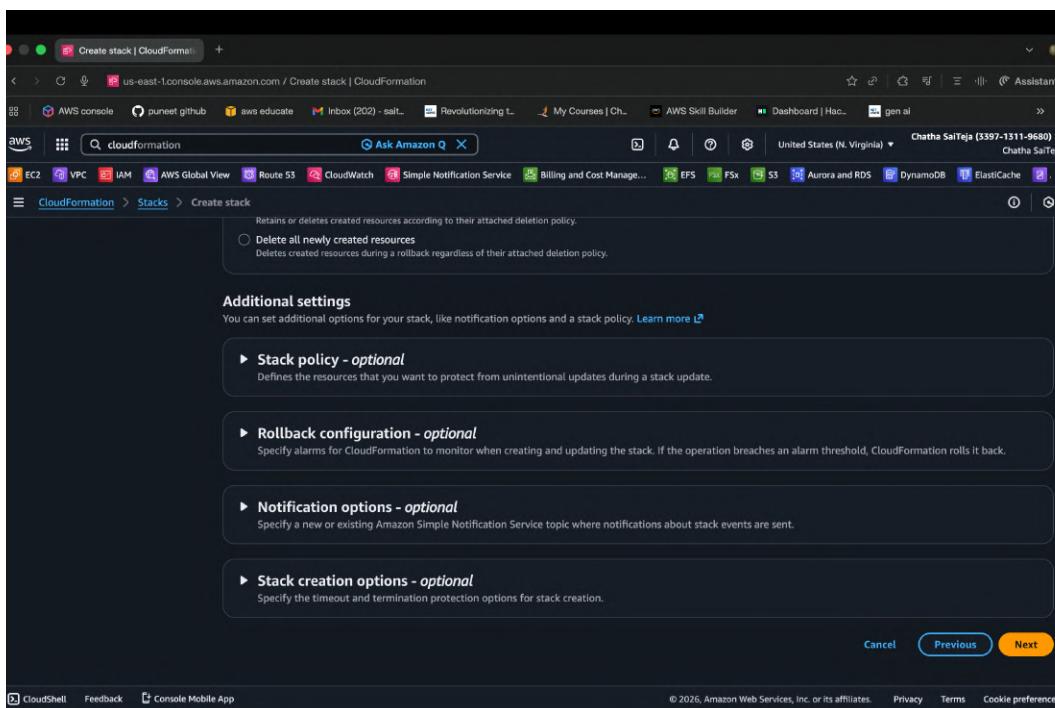
**Cancel** **Open** **Next**

Select the file

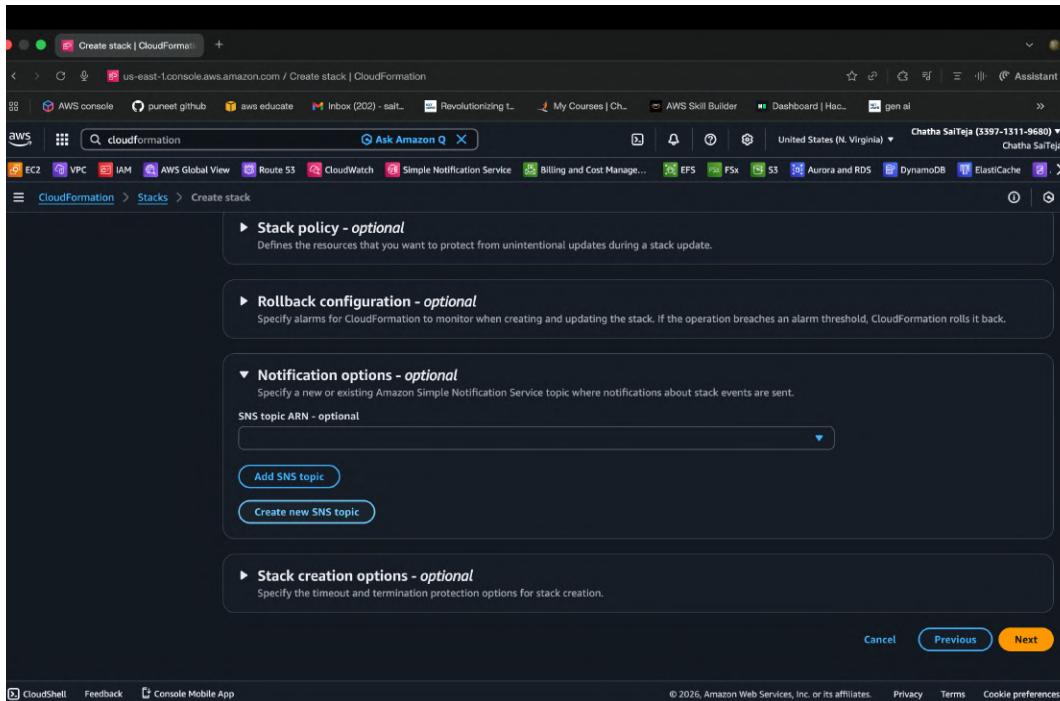


Provide Stack name

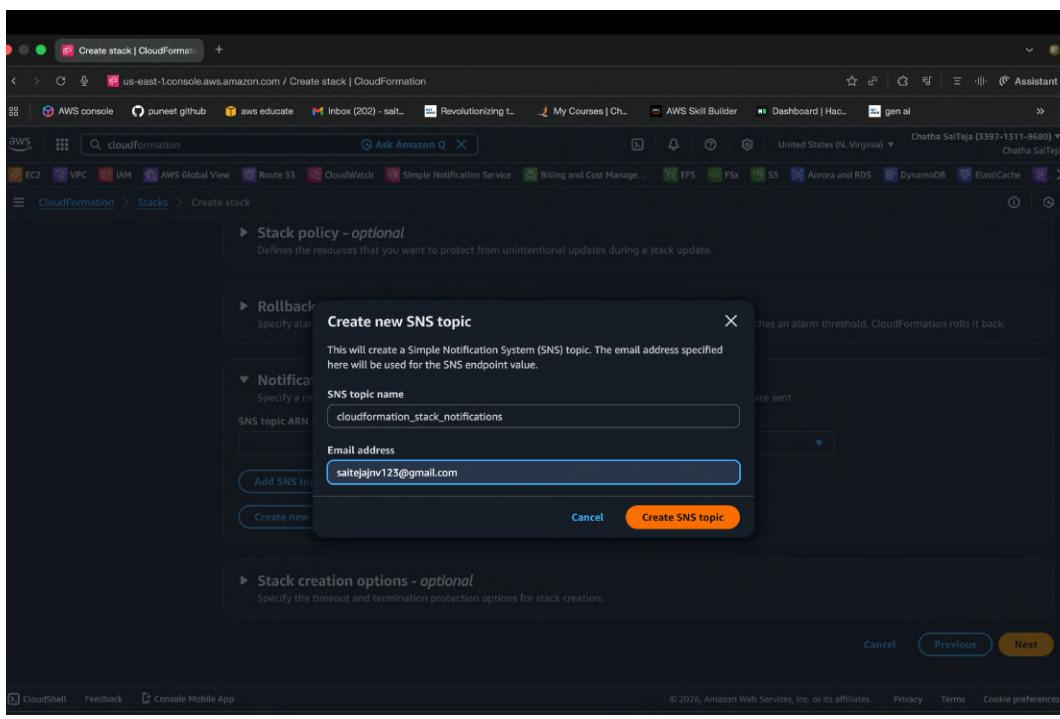
**Step 3:** In the next screen, you can **skip the optional sections**. Under **Notifications**, enable the option and **add an SNS topic**. Subscribe to the topic using your **email** and confirm the subscription from the received email. Finally, click **Create stack**. As the stack provisions resources, you will receive **email notifications for each stack event**.



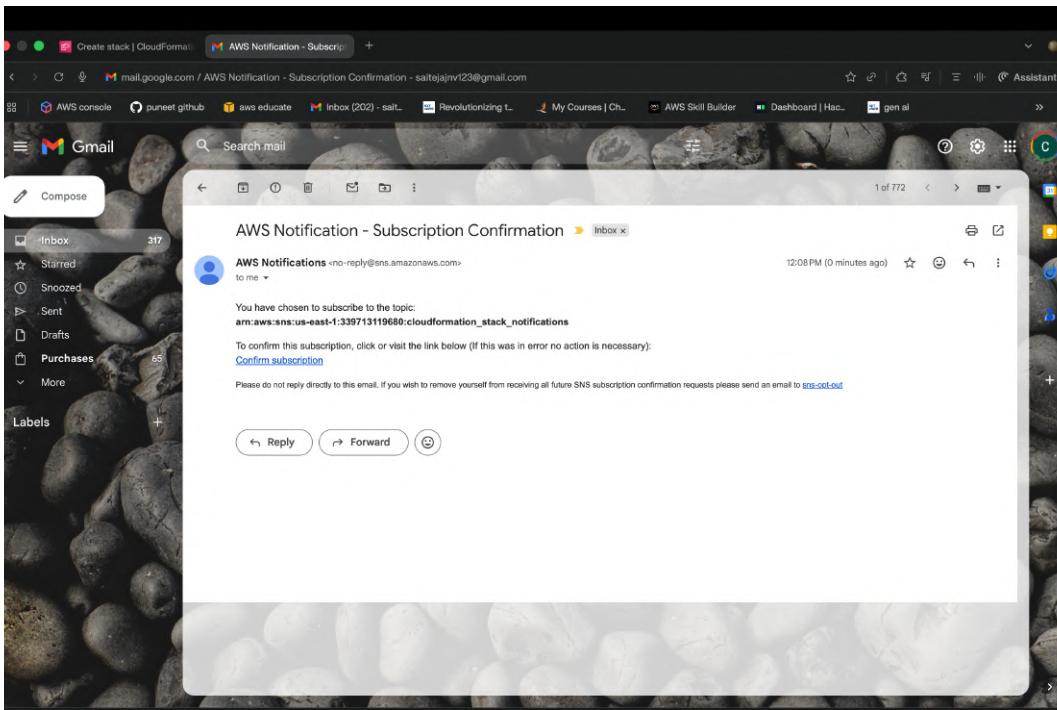
Skip some optional steps



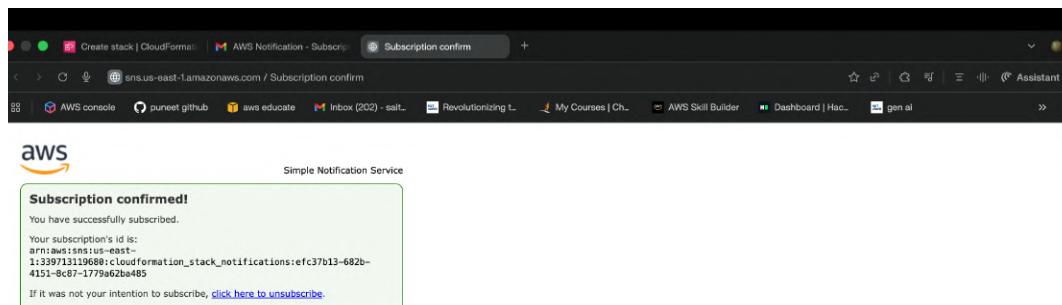
Click on add Sns topic



Add topic name and enter email address then click on create SNS topic

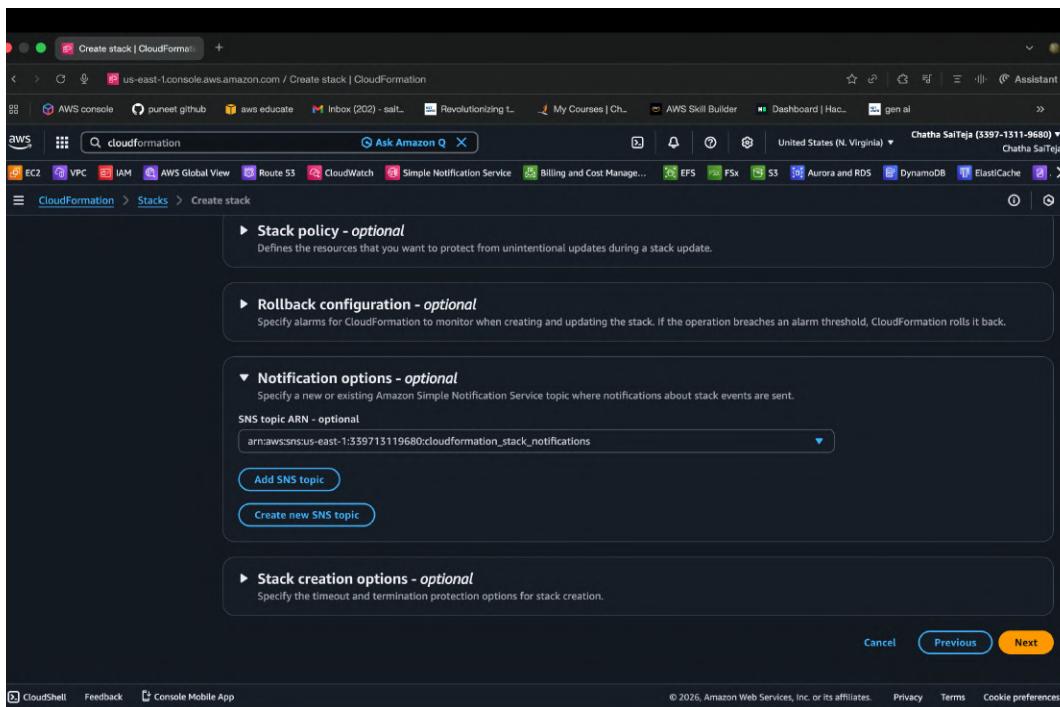


Confirm the subscription

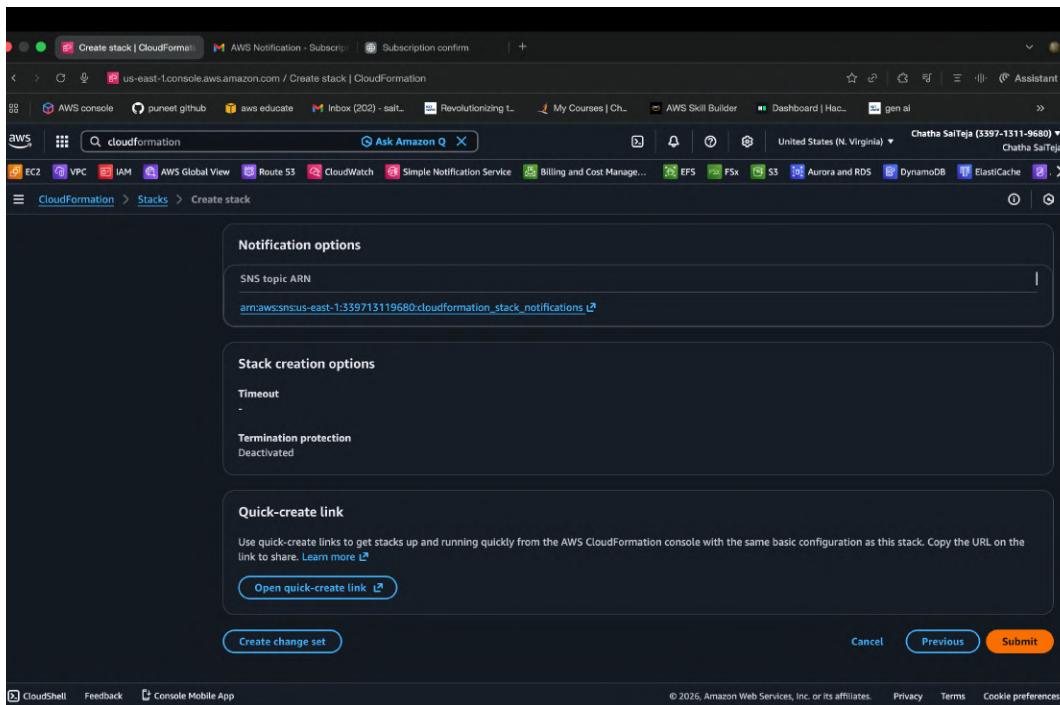


---

Subscription confirmed



Click on next



Click on submit

Stack Assignment-3 | CloudFormation

Events (5)

Operation ID	Timestamp	Logical ID	Status	Detailed status
736b10f6-1b68-4633-86eb-9040533996dc	2026-01-19 12:25:37 UTC+0530	Assignment-3	CREATE_COMPLETE	-
736b10f6-1b68-4633-86eb-9040533996dc	2026-01-19 12:25:37 UTC+0530	mys3bucket	CREATE_COMPLETE	-
736b10f6-1b68-4633-86eb-9040533996dc	2026-01-19 12:25:23 UTC+0530	mys3bucket	CREATE_IN_PROGRESS	-
736b10f6-1b68-4633-86eb-9040533996dc	2026-01-19 12:25:22 UTC+0530	mys3bucket	CREATE_IN_PROGRESS	-
736b10f6-1b68-4633-86eb-9040533996dc	2026-01-19 12:25:20 UTC+0530	Assignment-3	CREATE_IN_PROGRESS	-

## Events of stack

S3 buckets | S3 | us-east-1

General purpose buckets (1) Info

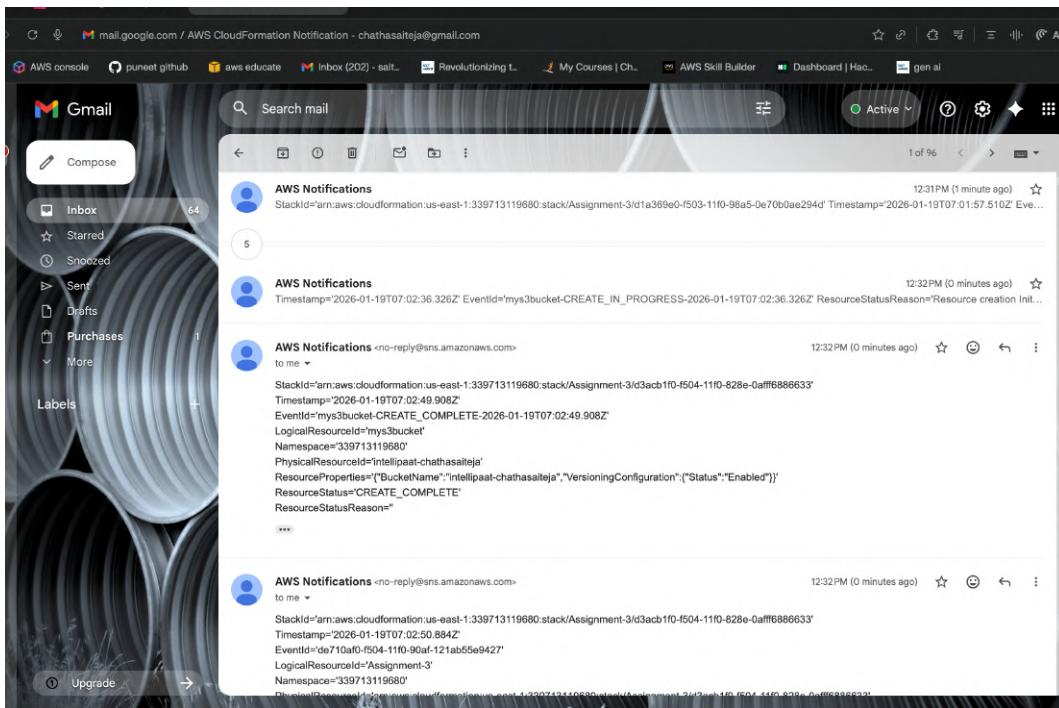
Buckets are containers for data stored in S3.

Name	AWS Region	Creation date
intellipaat-chathasaiteja	US East (N. Virginia) us-east-1	January 19, 2026, 12:25:26 (UTC+05:30)

**Account snapshot** Info Updated daily  
Storage Lens provides visibility into storage usage and activity trends.

**External access summary** Info Updated daily  
External access findings help you identify bucket permissions that allow public access or access from other AWS accounts.

S3 bucket is created



AWS sent notification in every step of stack creation process

