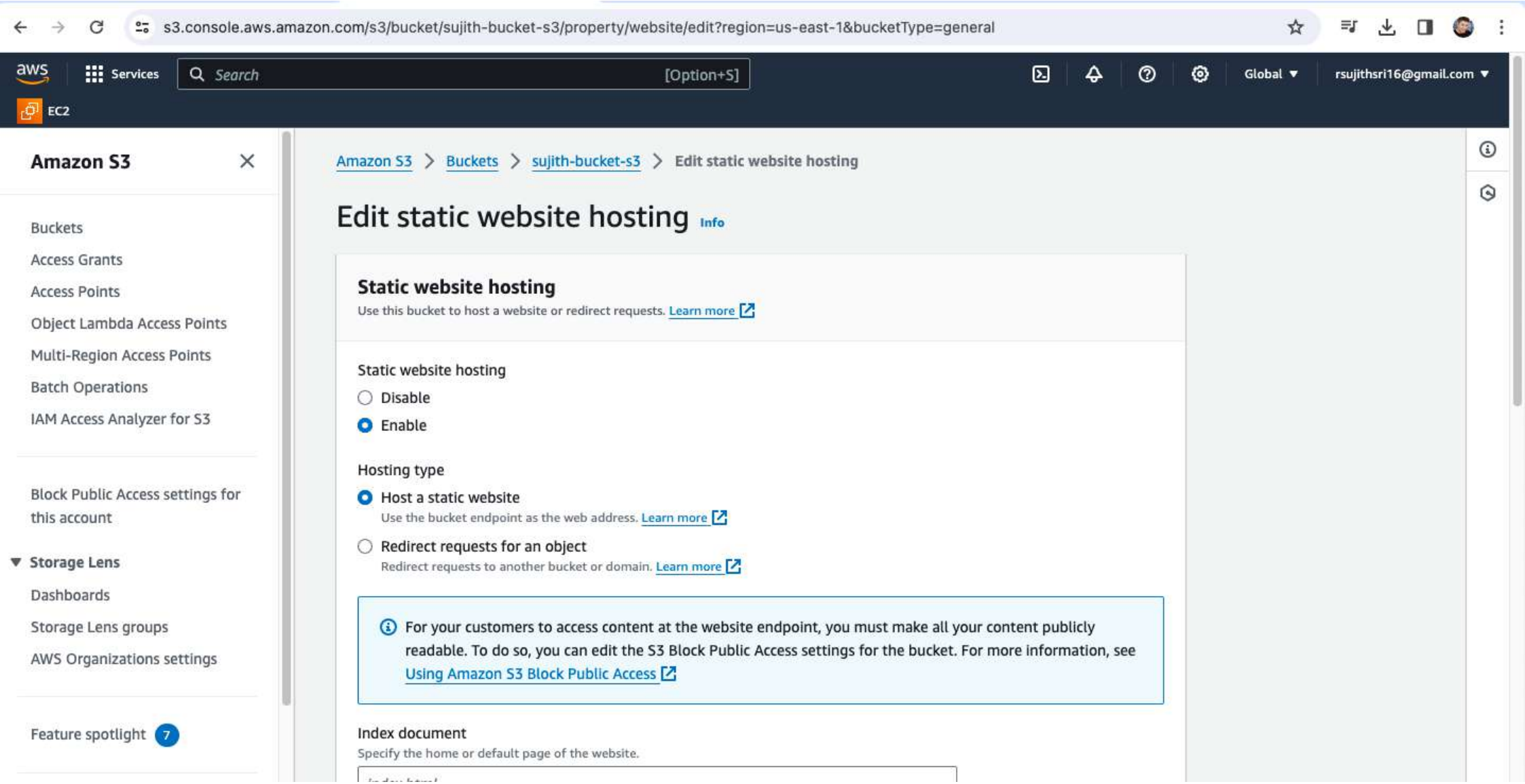
Problem Statement:

You work for XYZ Corporation. Their application requires a storage service that can store files and publicly share them if required. Implement S3 for the same.

Tasks To Be Performed:

1. Use the created bucket in the previous task to host static websites, upload an index.html file and error.html page.

2. Add a lifecycle rule for the bucket:
    a. Transition from Standard to Standard-IA in 60 days
    b. Expiration in 200 days


s3.console.aws.amazon.com/s3/bucket/sujith-bucket-s3/property/website/edit?region=us-east-1&bucketType=general
aws
Services
Search
[Option+S]
Global
rsujithsri16@gmail.com
EC2
Amazon S3
Buckets
Access Grants
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
IAM Access Analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
Storage Lens groups
AWS Organizations settings
Feature spotlight
7
Amazon S3 > Buckets > sujith-bucket-s3 > Edit static website hosting
Edit static website hosting
Info
Static website hosting
Use this bucket to host a website or redirect requests. Learn more
Static website hosting
Disable
Enable
Hosting type
Host a static website
Use the bucket endpoint as the web address. Learn more
Redirect requests for an object
Redirect requests to another bucket or domain. Learn more
For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see Using Amazon S3 Block Public Access
Index document
Specify the home or default page of the website.

s3.console.aws.amazon.com/s3/upload/sujith-bucket-s3?region=us-east-1&bucketType=general

aws Services Search [Option+S] Global rsujithsri16@gmail.com

EC2

Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. Learn more

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (2 Total, 30.7 KB)

Remove | Add files | Add folder

All files and folders in this table will be uploaded.

Find by name

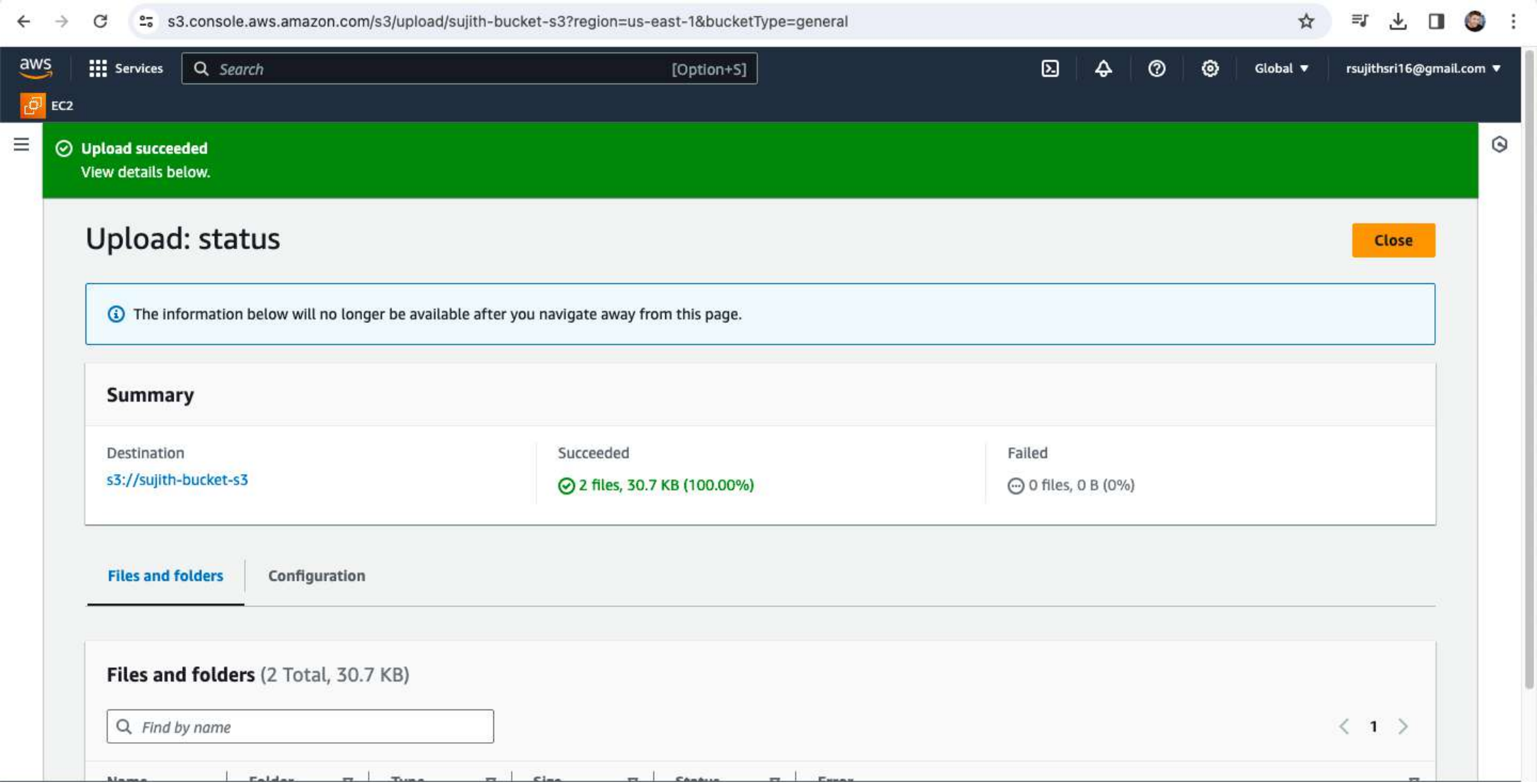
1

Name	Folder	Type
index.html	-	text/html
htmlviewer.txt	-	text/plain

Destination Info

Destination

s3://sujith-bucket-s3


s3.console.aws.amazon.com/s3/upload/sujith-bucket-s3?region=us-east-1&bucketType=general
aws
Services
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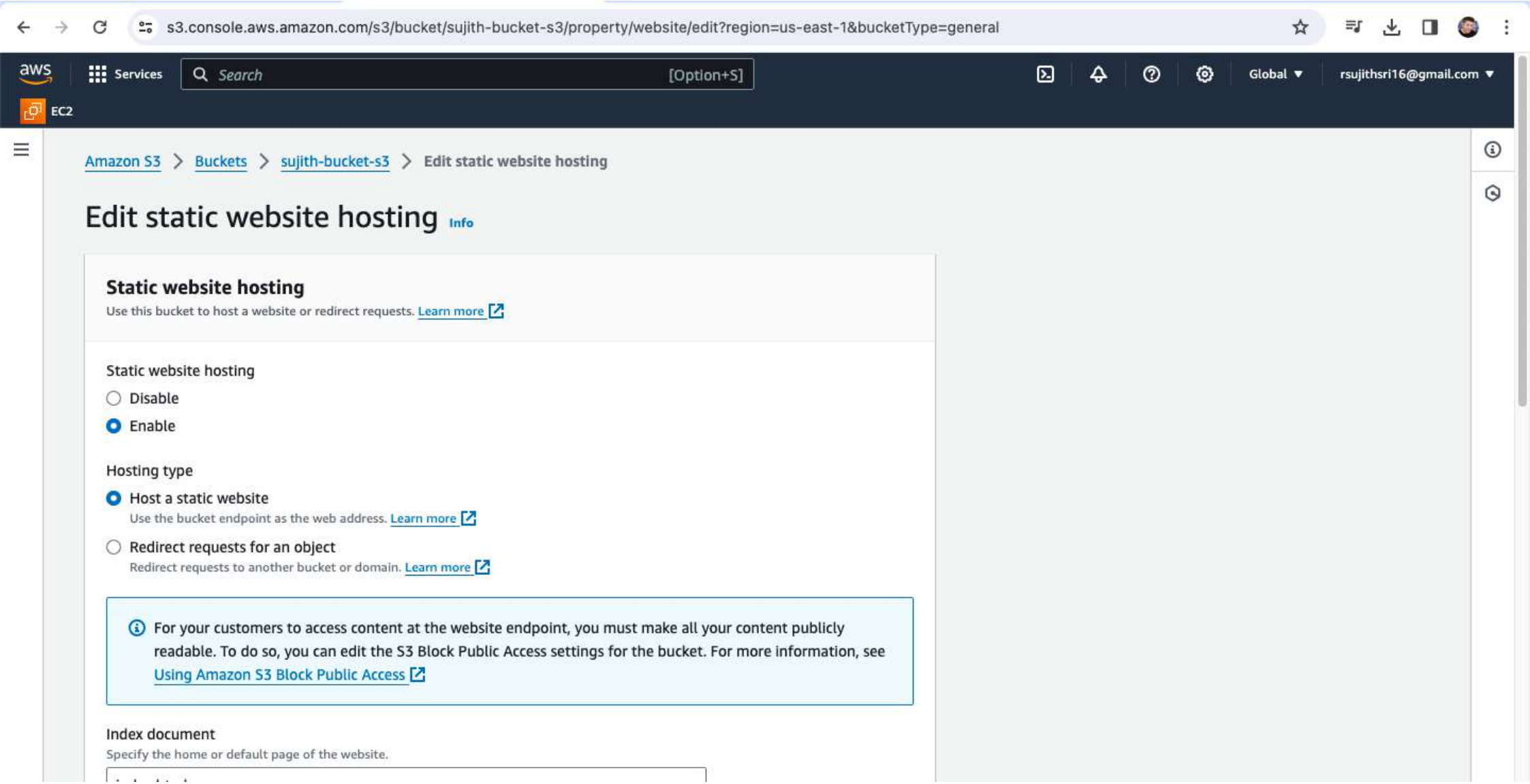
[Option+S]
Global
rsujithsri16@gmail.com
EC2
Upload succeeded
View details below.
Upload: status
Close
The information below will no longer be available after you navigate away from this page.
Summary
Destination
s3://sujith-bucket-s3
Succeeded
2 files, 30.7 KB (100.00%)
Failed
0 files, 0 B (0%)
Files and folders
Configuration
Files and folders (2 Total, 30.7 KB)
Find by name
1


s3.console.aws.amazon.com/s3/bucket/sujith-bucket-s3/property/website/edit?region=us-east-1&bucketType=general
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Amazon S3 > Buckets > sujith-bucket-s3 > Edit static website hosting
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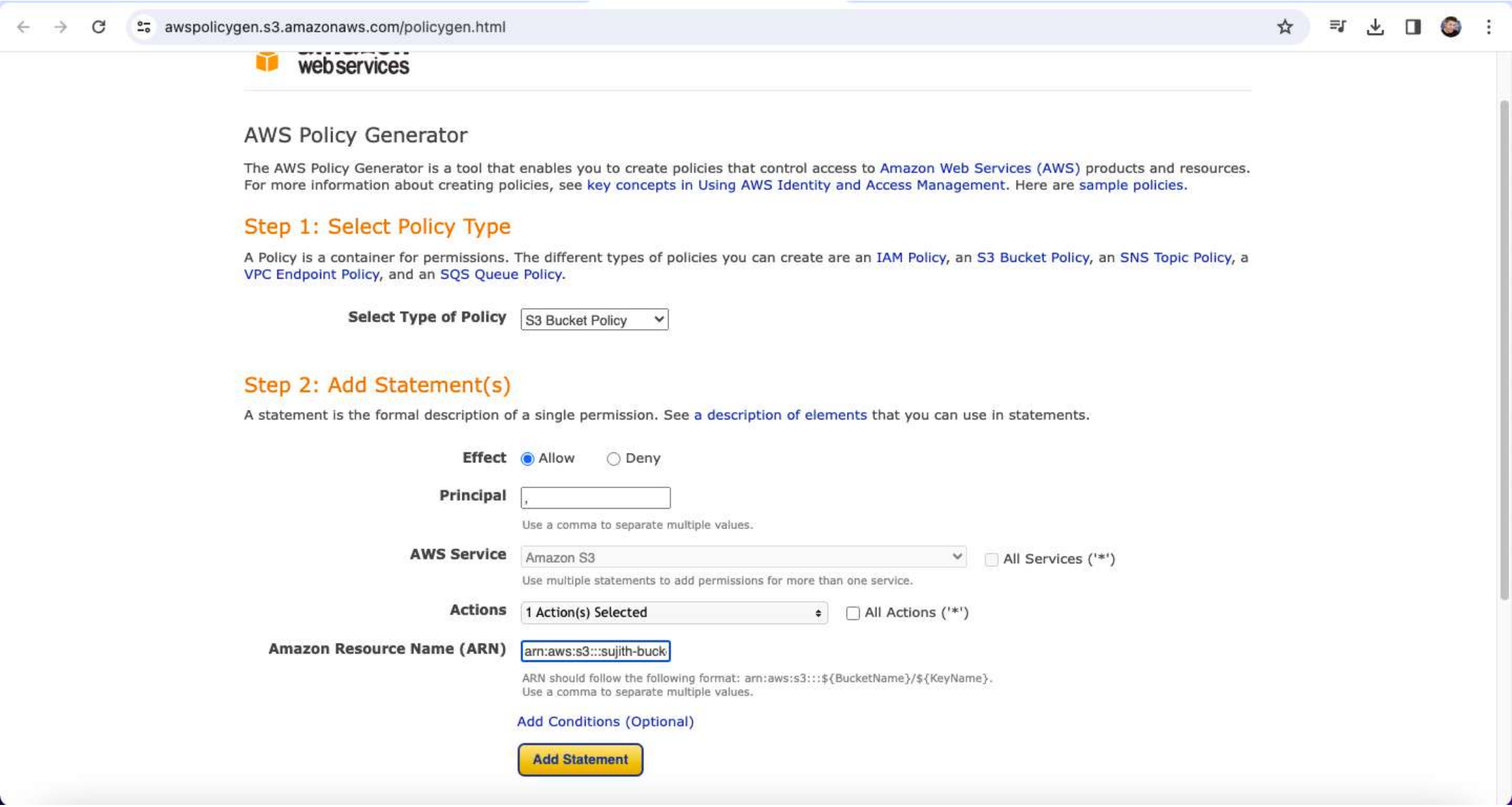
Specify the home or default page of the website.


awspolicygen.s3.amazonaws.com/policygen.html
web services
AWS Policy Generator
The AWS Policy Generator is a tool that enables you to create policies that control access to Amazon Web Services (AWS) products and resources. For more information about creating policies, see key concepts in Using AWS Identity and Access Management. Here are sample policies.
Step 1: Select Policy Type
A Policy is a container for permissions. The different types of policies you can create are an IAM Policy, an S3 Bucket Policy, an SNS Topic Policy, a VPC Endpoint Policy, and an SQS Queue Policy.
Select Type of Policy
S3 Bucket Policy
Step 2: Add Statement(s)
A statement is the formal description of a single permission. See a description of elements that you can use in statements.
Effect
Allow
Deny
Principal
Use a comma to separate multiple values.
AWS Service
Amazon S3
All Services ('*')
Use multiple statements to add permissions for more than one service.
Actions
1 Action(s) Selected
All Actions ('*')
Amazon Resource Name (ARN)
arn:aws:s3:::sujith-buck
ARN should follow the following format: arn:aws:s3:::${BucketName}/${KeyName}.
Use a comma to separate multiple values.
Add Conditions (Optional)
Add Statement

awspolicygen.s3.amazonaws.com/policygen.html

AWS Service: Amazon S3 — All Services ('*')

Use multiple statements to add permissions for more than one service.

Actions: -- Select Actions -- — All Actions ('*')

Amazon Resource Name (ARN)

Policy JSON Document

Click below to edit. To save the policy, copy the text below to a text editor.
Changes made below will **not be reflected in the policy generator tool.**

```
{
  "Id": "Policy1710849858070",
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "Stmt1710849856352",
      "Action": [
        "s3:GetObject"
      ],
      "Effect": "Allow",
      "Resource": "arn:aws:s3:::sujith-bucket-s3/*",
      "Principal": {
        "AWS": [
          "",
          ""
        ]
      }
    }
  ]
}
```

Close

You added t

Principal

Step 3:

A *policy* is a

This AWS Po … our use is in compliance with all applicable terms and conditions. This AWS Policy Generator is provided **as is** without warranty of any kind, whether express, implied, or statutory. This AWS Policy Generator does not modify the applicable terms and conditions governing your use of Amazon Web Services technologies.

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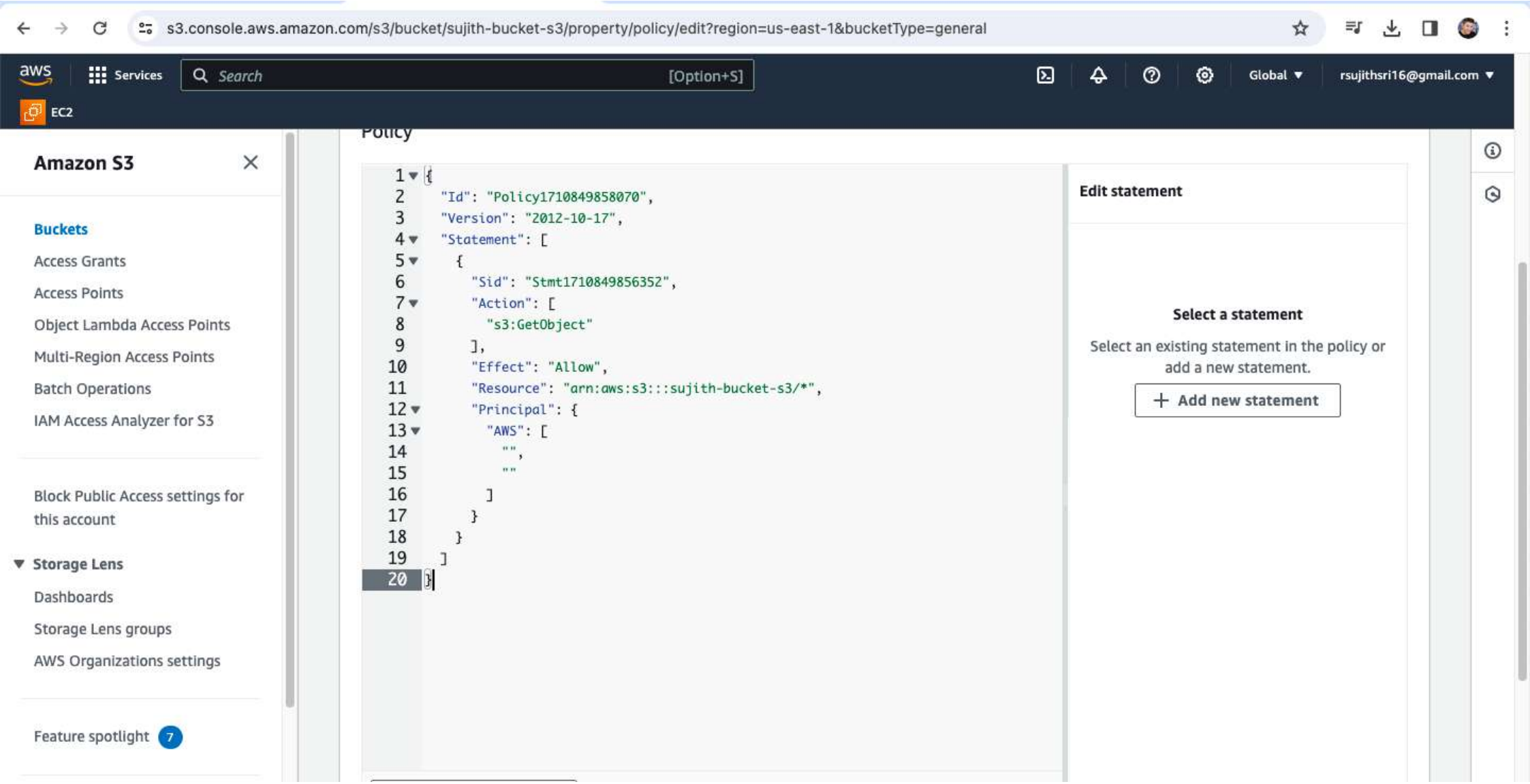
s3.console.aws.amazon.com/s3/bucket/sujith-bucket-s3/property/policy/edit?region=us-east-1&bucketType=general
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Feature spotlight
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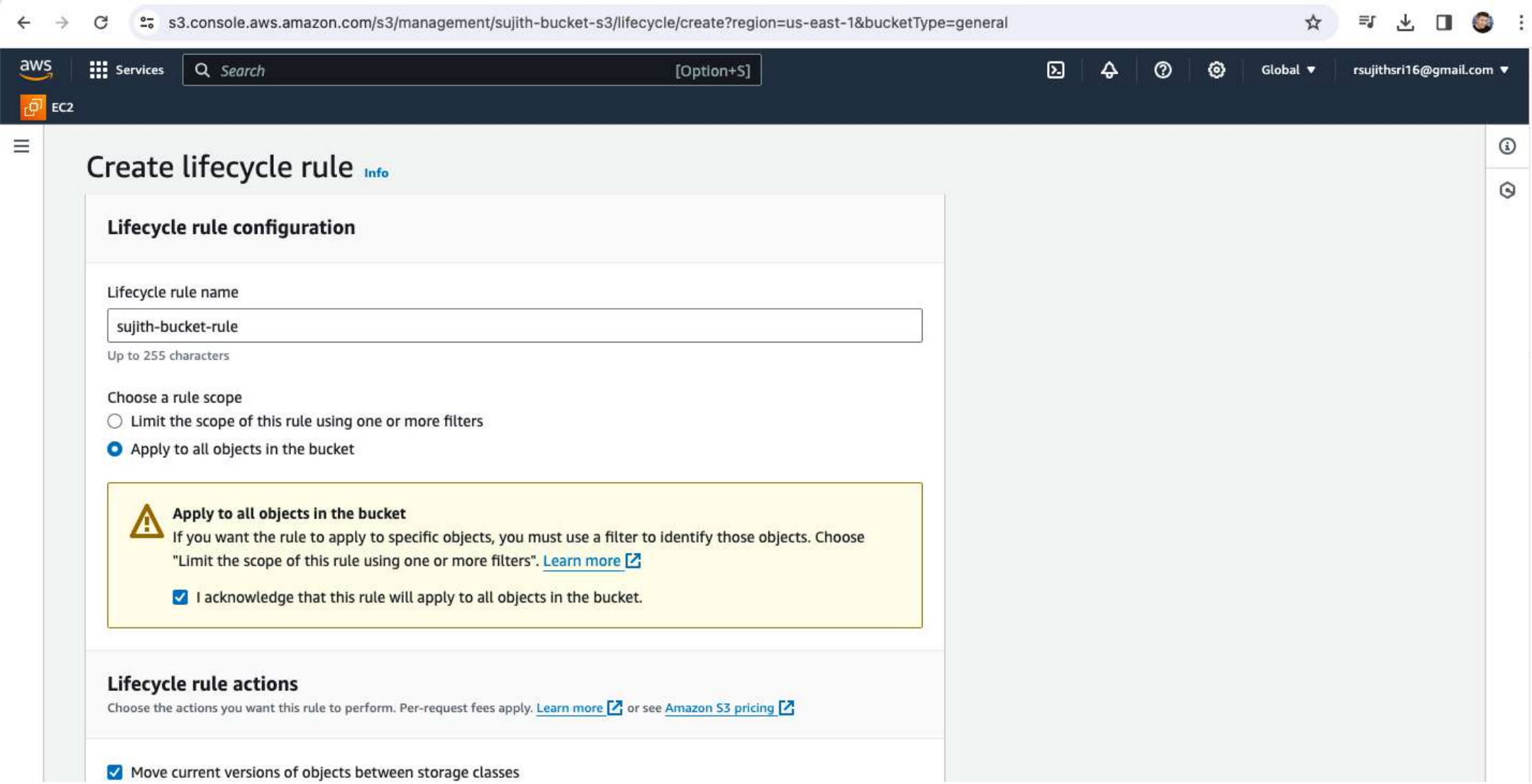
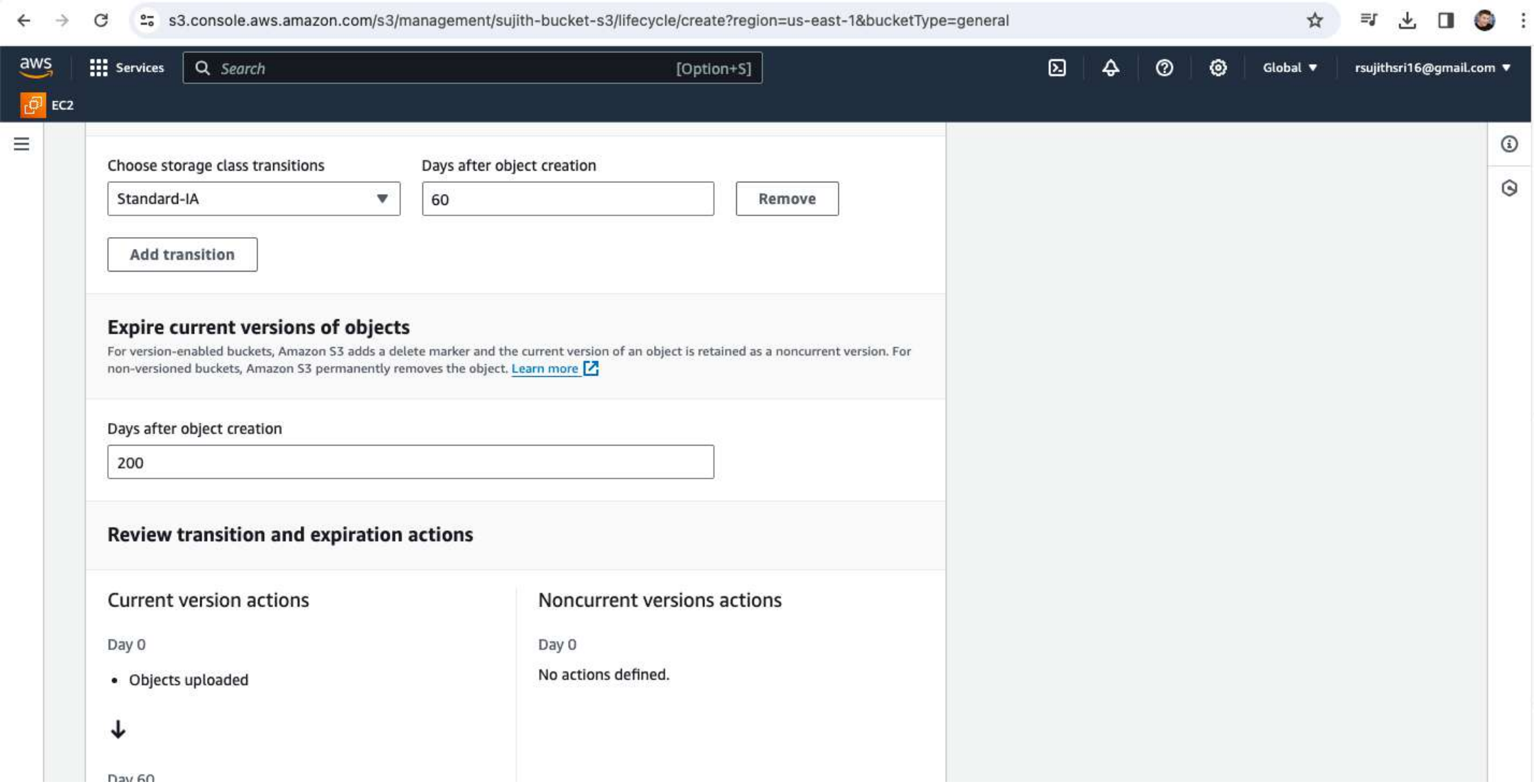
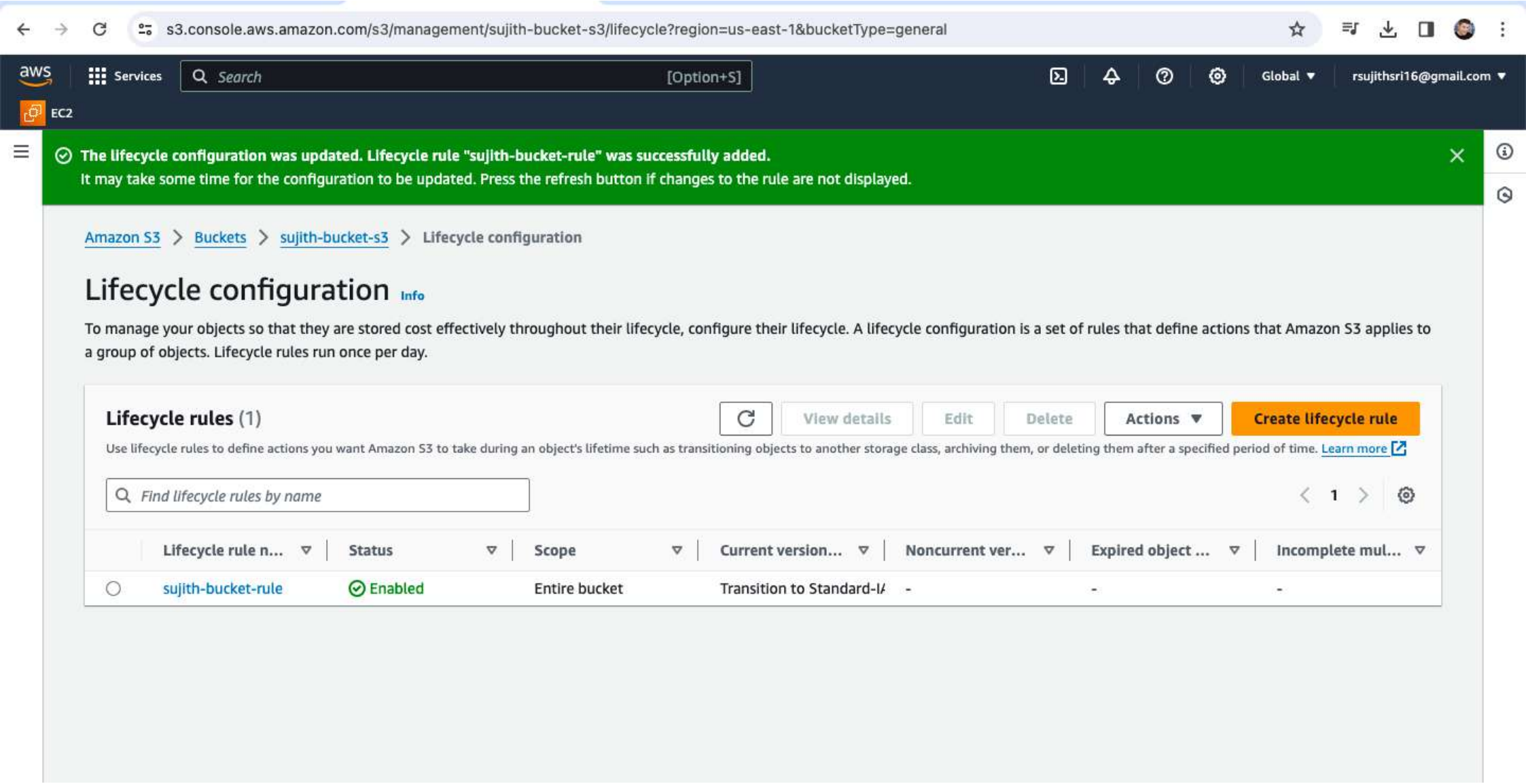
Policy
{
"Id": "Policy1710849858070",
"Version": "2012-10-17",
"Statement": [
{
"Sid": "Stmt1710849856352",
"Action": [
"s3:GetObject"
],
"Effect": "Allow",
"Resource": "arn:aws:s3:::sujith-bucket-s3/*",
"Principal": {
"AWS": [
"",
""
]
}
}
]
}
Edit statement
Select a statement
Select an existing statement in the policy or add a new statement.
+ Add new statement

sujith-bucket-s3.s3.us-east-1.amazonaws.com/error%282%29.html?response-content-disposition=inline&X-Amz-Security-Token=IQoJb3JpZ2luX2VjEOH%...

Access to this server is denied.
Application gateway is not running.


s3.console.aws.amazon.com/s3/management/sujith-bucket-s3/lifecycle/create?region=us-east-1&bucketType=general
aws
Services
Search
[Option+S]
Global
rsujithsri16@gmail.com
EC2
Create lifecycle rule Info
Lifecycle rule configuration
Lifecycle rule name
sujith-bucket-rule
Up to 255 characters
Choose a rule scope
Limit the scope of this rule using one or more filters
Apply to all objects in the bucket
Apply to all objects in the bucket
If you want the rule to apply to specific objects, you must use a filter to identify those objects. Choose "Limit the scope of this rule using one or more filters". Learn more
I acknowledge that this rule will apply to all objects in the bucket.
Lifecycle rule actions
Choose the actions you want this rule to perform. Per-request fees apply. Learn more or see Amazon S3 pricing
Move current versions of objects between storage classes


s3.console.aws.amazon.com/s3/management/sujith-bucket-s3/lifecycle/create?region=us-east-1&bucketType=general
aws
Services
Search
[Option+S]
Global
rsujithsri16@gmail.com
EC2
Choose storage class transitions
Standard-IA
Days after object creation
60
Remove
Add transition
Expire current versions of objects
For version-enabled buckets, Amazon S3 adds a delete marker and the current version of an object is retained as a noncurrent version. For non-versioned buckets, Amazon S3 permanently removes the object. Learn more
Days after object creation
200
Review transition and expiration actions
Current version actions
Day 0
Objects uploaded
Day 60
Noncurrent versions actions
Day 0
No actions defined.


s3.console.aws.amazon.com/s3/management/sujith-bucket-s3/lifecycle?region=us-east-1&bucketType=general
aws
Services
Search
[Option+S]
Global
rsujithsri16@gmail.com
EC2
The lifecycle configuration was updated. Lifecycle rule "sujith-bucket-rule" was successfully added.
It may take some time for the configuration to be updated. Press the refresh button if changes to the rule are not displayed.
Amazon S3 > Buckets > sujith-bucket-s3 > Lifecycle configuration
Lifecycle configuration Info
To manage your objects so that they are stored cost effectively throughout their lifecycle, configure their lifecycle. A lifecycle configuration is a set of rules that define actions that Amazon S3 applies to a group of objects. Lifecycle rules run once per day.
Lifecycle rules (1)
View details
Edit
Delete
Actions
Create lifecycle rule
Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. Learn more
Find lifecycle rules by name
1
Lifecycle rule n...
Status
Scope
Current version...
Noncurrent ver...
Expired object ...
Incomplete mul...
sujith-bucket-rule
Enabled
Entire bucket
Transition to Standard-I
-
-
-