

Creation of Buckets:

The screenshot shows the Amazon S3 console interface. The left sidebar contains navigation links for Buckets, Access Grants, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, IAM Access Analyzer for S3, Block Public Access settings, Storage Lens, Dashboards, Storage Lens groups, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area displays the 'Account snapshot' with metrics: Total storage (685.5 KB), Object count (1), and Average object size (685.5 KB). Below this, the 'General purpose buckets (3)' section is active, showing a table of buckets:

Name	AWS Region	Access	Creation date
tejaswini2	US East (N. Virginia) us-east-1	Objects can be public	February 20, 2024, 12:21:46 (UTC+05:30)
tejaswini3	US East (N. Virginia) us-east-1	Objects can be public	February 20, 2024, 14:48:51 (UTC+05:30)
tejaswini4	US East (N. Virginia) us-east-1	Objects can be public	February 20, 2024, 16:13:56 (UTC+05:30)

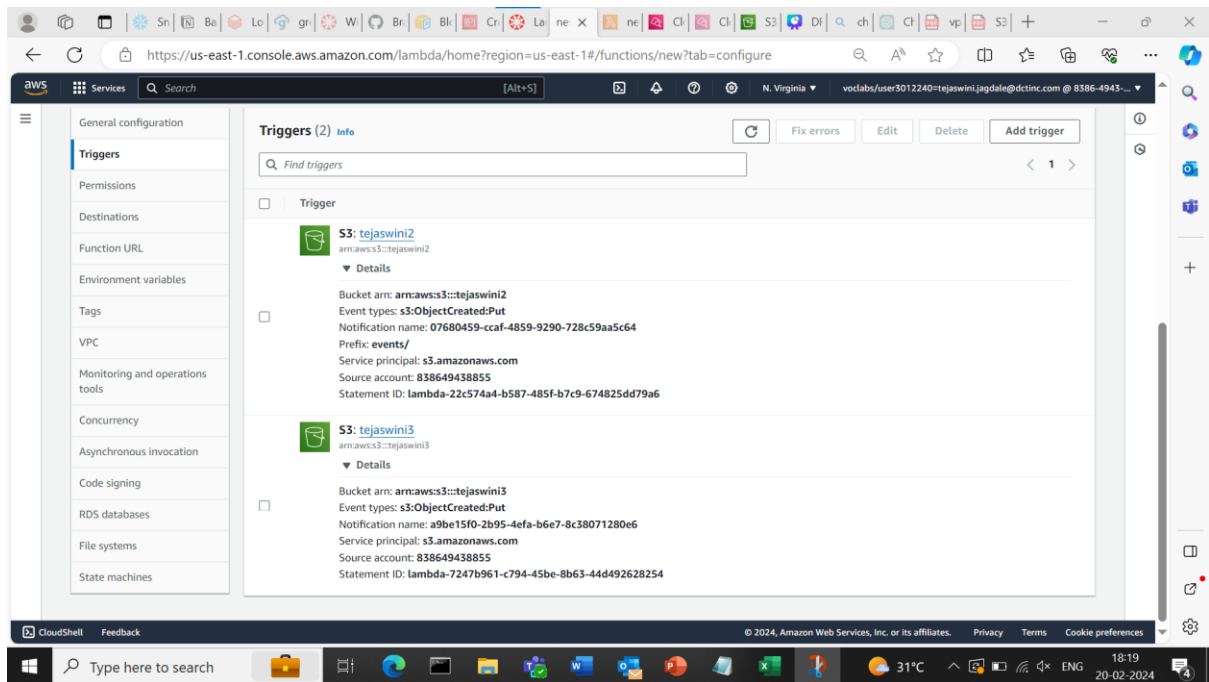
Task 1:

Updation of files :

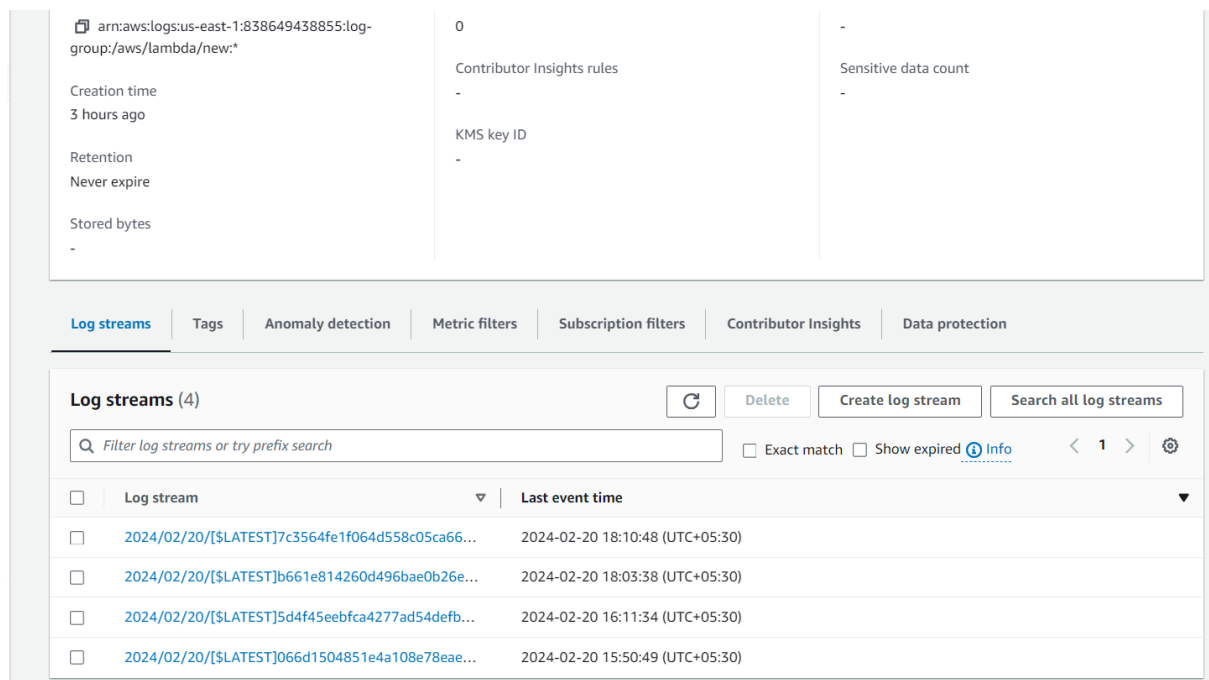
The screenshot shows the Amazon S3 console interface for the 'events/' bucket. The left sidebar is the same as the previous screenshot. The main content area displays the 'events/' bucket with a 'Copy S3 URI' button. Below this, the 'Objects (2)' section is active, showing a table of objects:

Name	Type	Last modified	Size	Storage class
test.txt	txt	February 20, 2024, 15:50:49 (UTC+05:30)	29.0 B	Standard
test1.txt	txt	February 20, 2024, 16:11:32 (UTC+05:30)	21.0 B	Standard

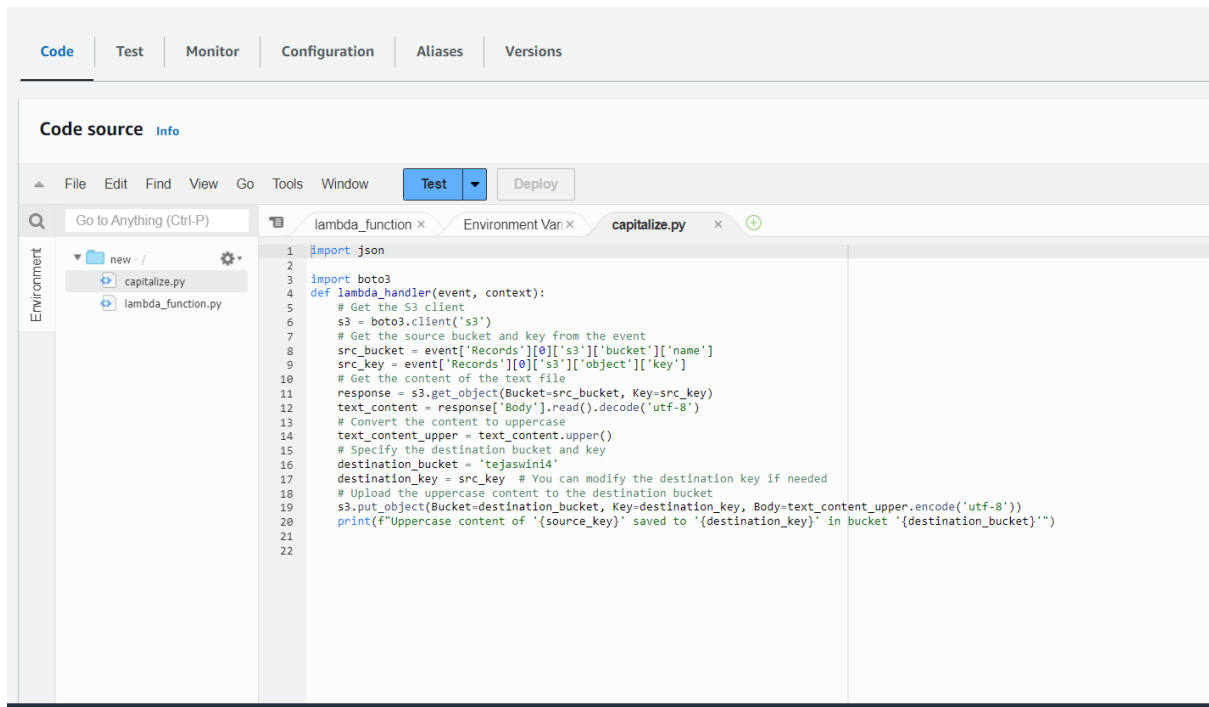
Addition of triggers to the function of lambda:



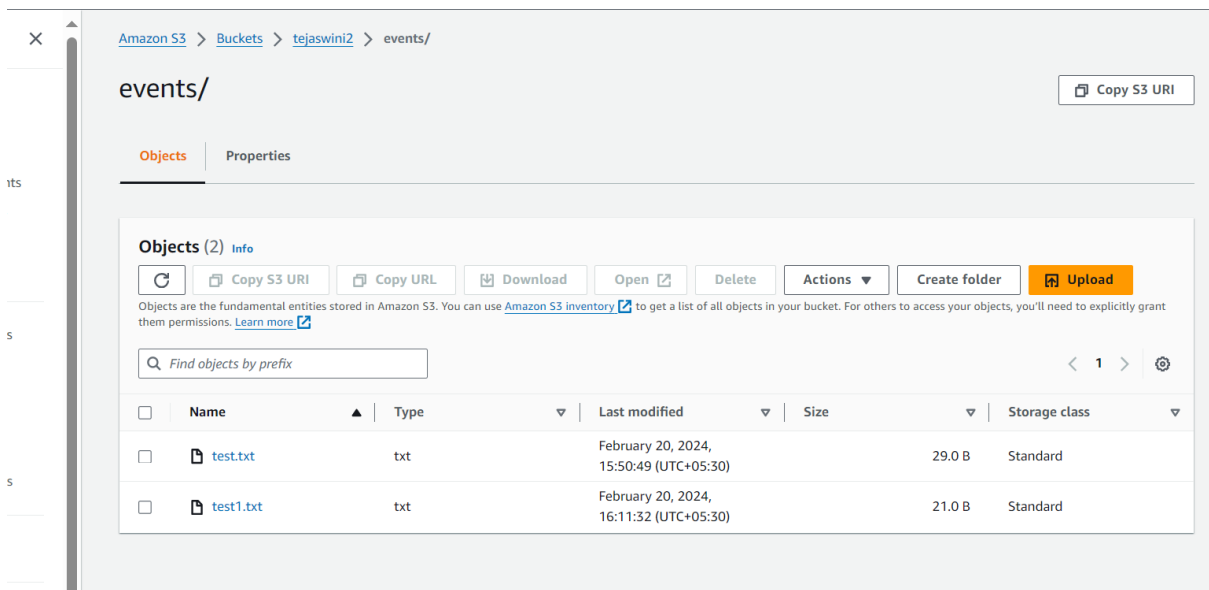
Viewing cloudwatch logs of updated files:



Replication of file from one bucket to another:



Files in bucket one:



Replicated file:

Amazon S3 > Buckets > tejaswini3 > events/

events/

Copy S3 URI

ObjectsProperties

Objects (1) Info

Refresh

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix

< 1 > ⚙

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	test1.txt	txt	February 20, 2024, 16:11:35 (UTC+05:30)	21.0 B	Standard

▶	2024-02-20T16:11:34.530+05:30	File 'events/test1.txt' replicated successfully to 'tejaswini3'
▶	2024-02-20T16:11:34.546+05:30	END RequestId: 18fd37e1-e96f-4d98-9f66-904936d532c6
▶	2024-02-20T16:11:34.546+05:30	REPORT RequestId: 18fd37e1-e96f-4d98-9f66-904936d532c6 Duration: 614.80 ms Billed Duration: 615 ms Memory Size: 128 MB Max Mem...

Task 2:

Capitalize content of file:

Successfully updated the function new.

Code source Info

Upload from

File Edit Find View Go Tools Window Test Deploy

Go to Anything (Ctrl-P)

new / capitalize.py lambda_function.py

```
1 import json
2
3 import boto3
4 def lambda_handler(event, context):
5     # Get the S3 client
6     s3 = boto3.client('s3')
7     # Get the source bucket and key from the event
8     src_bucket = event['Records'][0]['s3']['bucket']['name']
9     src_key = event['Records'][0]['s3']['object']['key']
10    # Get the content of the text file
11    response = s3.get_object(Bucket=src_bucket, Key=src_key)
12    text_content = response['Body'].read().decode('utf-8')
13    # Convert the content to uppercase
14    text_content_upper = text_content.upper()
15    # Specify the destination bucket and key
16    destination_bucket = 'tejaswini4'
17    destination_key = src_key # You can modify the destination key if needed
18    # Upload the uppercase content to the destination bucket
19    s3.put_object(Bucket=destination_bucket, Key=destination_key, Body=text_content_upper.encode('utf-8'))
20    print(f"Uppercase content of '{src_key}' saved to '{destination_key}' in bucket '{destination_bucket}'")
21
22
```

Successfully updated the function new.

Code source

File Edit Find View Go Tools Window Test Deploy

Go to Anything (Ctrl-P)

Environment

- new /
- capitalize.py
- lambda_function.py

```
1 import json
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4 def lambda_handler(event, context):
5     # Get the S3 client
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12    text_content = response['body'].read().decode('utf-8')
13    # Convert the content to uppercase
14    text_content_upper = text_content.upper()
15    # Specify the destination bucket and key
16    destination_bucket = 'tejaswinia'
17    destination_key = src_key # You can modify the destination key if needed
18    # Upload the uppercase content to the destination bucket
19    s3.put_object(Bucket=destination_bucket, Key=destination_key, Body=text_content_upper.encode('utf-8'))
20    print(f"Uppercase content of '{src_key}' saved to '{destination_key}' in bucket '{destination_bucket}'")
21
22
```

test1 - Notepad

FILE TO BE REPLICATED

Ln 1, Col 21 100% Windows (CRLF) UTF-8

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