Swayam Raut
Roll No. 51
Advanced DevOps Lab
Experiment - 12

Basic information

Function name
Enter a name that describes the purpose of your function.

S3ImageLogger

Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime   Info
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

Node.js 20.x   ▼   ⟳

Architecture   Info
Choose the instruction set architecture you want for your function code.

● x86_64
○ arm64

Create bucket   Info

Buckets are containers for data stored in S3.

General configuration

AWS Region
Asia Pacific (Mumbai) ap-south-1

Bucket name   Info

swayamNewBucket

Bucket name must be unique within the global namespace and follow the bucket naming rules. See rules for bucket naming ↗

Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.

Choose bucket

Format: s3://bucket/prefix

Files and folders | Configuration

Files and folders (1 Total, 17.1 KB)

Name	Folder ▽	Type ▽	Size ▽	Status ▽	Error	▽
hola.jpeg 🔗	-	image/jpeg	17.1 KB	⊘ Succeeded	-	

Environment Vari ✕ | lambda_function ✕ ⊕

```python
import json

def lambda_handler(event, context):
    # Extract bucket name and object key from the event
    bucket_name = event['Records'][0]['s3']['bucket']['name']
    object_key = event['Records'][0]['s3']['object']['key']

    # Log a message
    print(f"An Image has been added to the bucket {bucket_name}: {object_key}")

    return {
        'statusCode': 200,
        'body': json.dumps('Log entry created successfully')
    }
```

CloudWatch ✕

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- Dashboards
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- ▼ Logs
  - **Log groups**
  - Log Anomalies
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CloudWatch > Log groups > /aws/lambda/mypythonFunction > 2024/08/29/[$LATEST]e5aba80bf7644ec2bf57477b2ebc3734

Log events   ↻ Actions ▾ Start tailing Create metric filter

You can use the filter bar below to search for and match terms, phrases, or values in your log events. Learn more about filter patterns 🔗

🔍 Filter events – press enter to search   Clear 1m 30m 1h 12h Custom 📅 UTC timezone ▾ Display ▾ ⚙

▶	Timestamp	Message
		No older events at this moment. Retry
▶	2024-08-29T09:14:54.054Z	INIT_START Runtime Version: python:3.12.v30 Runtime Version ARN: arn:aws:lambda:eu-north-1::runtime:acd6500d0e3f6a085fb07933...
▶	2024-08-29T09:14:54.136Z	START RequestId: 36e50767-fac0-4ed3-83ff-87872352f94b Version: $LATEST
▶	2024-08-29T09:14:54.136Z	An Image has been added to the bucket saachi12: butterfly.jpg
▶	2024-08-29T09:14:54.138Z	END RequestId: 36e50767-fac0-4ed3-83ff-87872352f94b
▶	2024-08-29T09:14:54.138Z	REPORT RequestId: 36e50767-fac0-4ed3-83ff-87872352f94b Duration: 1.88 ms Billed Duration: 2 ms Memory Size: 128 MB Max Memor...
		No newer events at this moment. Auto retry paused. Resume