



Lab12

 **Services** [Alt+S]

 [Amazon S3](#) > [Buckets](#) > [Create bucket](#)

Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region

Europe (Stockholm) eu-north-1

Bucket type [Info](#)

☒ **General purpose**

Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

☐ **Directory**

Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name [Info](#)

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

General purpose buckets		Directory buckets	
General purpose buckets (1) Info All AWS Regions		<div>  Copy ARN  Empty  Delete  Create bucket</div>	
<input type="text" value="Find buckets by name"/>		<div>< 1 > </div>	
Name	AWS Region	IAM Access Analyzer	Creation date
 mohitbucketvesit	Europe (Stockholm) eu-north-1	View analyzer for eu-north-1	September 26, 2024, 14:33:10 (UTC+05:30)


Function name

Enter a name that describes the purpose of your function.

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.



Architecture [Info](#)

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

☒ **x86_64**

☐ arm64

Permissions [Info](#)

By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.

► **Change default execution role**

► **Advanced settings**

Cancel

Create function

Lambda > Functions > S3ImageLogger

S3ImageLogger

Throttle Copy ARN Actions

Function overview Info

Export to Application Composer Download

Diagram Template

S3ImageLogger

Layers (0)

+ Add trigger + Add destination

Description

-

Last modified

2 seconds ago

Function ARN

arn:aws:lambda:eu-north-1:68625594802:1:function:S3ImageLogger

Function URL Info

-

aws Services Search [Alt+S]

Successfully updated the function S3ImageLogger.

Code Test Monitor Configuration Aliases Versions

Code source Info Upload from

File Edit Find View Go Tools Window Test Deploy

Go to Anything (Ctrl-P)

Environment

S3ImageLogger - /

lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     # Extract bucket name and object key from the event
5     bucket_name = event['Records'][0]['s3']['bucket']['name']
6     object_key = event['Records'][0]['s3']['object']['key']
7
8     # Log a message
9     print(f"An Image has been added to the bucket {bucket_name}: {object_key}")
10
11     return {
12         'statusCode': 200,
13         'body': json.dumps('Log entry created successfully')
14     }
15
```

aws

Services

Search

[Alt+S]

Trigger configuration

Info

S3

aws

asynchronous

storage

Bucket

Choose or enter the ARN of an S3 bucket that serves as the event source. The bucket must be in the same region as the function.

s3/mohitbucketvesit

X

↺

Bucket region: eu-north-1

Event types

Select the events that you want to have trigger the Lambda function. You can optionally set up a prefix or suffix for an event. However, for each bucket, individual events cannot have multiple configurations with overlapping prefixes or suffixes that could match the same object key.

All object create events X

Prefix - optional

Enter a single optional prefix to limit the notifications to objects with keys that start with matching characters. Any special characters must be URL encoded.

e.g. images/

Suffix - optional

Enter a single optional suffix to limit the notifications to objects with keys that end with matching characters. Any special characters must be URL encoded.

ing

aws

Services

lambda

X

Stockholm

mohitshadja

Amazon S3

Buckets

mohitbucketvesit

mohitbucketvesit

Info

Objects

Properties

Permissions

Metrics

Management

Access Points

Objects (1)

Info

↺

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Find objects by prefix

< 1 >

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	mini1.jpg	jpg	September 26, 2024, 14:45:25 (UTC+05:30)	54.3 KB	Standard

Lambda > Functions > S3ImageLogger

S3ImageLogger

Throttle Copy ARN Actions

✓ The trigger mohitbucketvesit was successfully added to function S3ImageLogger. The function is now receiving events from the trigger. ✕

▼ Function overview Info

Export to Application Composer Download

Diagram Template

S3ImageLogger

Layers (0)

S3

+ Add trigger

+ Add destination

Description

-

Last modified
7 minutes ago

Function ARN
arn:aws:lambda:eu-north-1:68625594802:1:function:S3ImageLogger

Function URL [Info](#)

-

Lambda > Functions > S3ImageLogger

S3ImageLogger

Throttle Copy ARN Actions

▼ Function overview Info

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Diagram Template

S3ImageLogger

Layers (0)

S3

+ Add trigger

+ Add destination

Description

-

Last modified
22 minutes ago

Function ARN
arn:aws:lambda:eu-north-1:68625594802:1:function:S3ImageLogger

Function URL [Info](#)

-

CloudWatch

Log groups > /aws/lambda/mypythonFunction > 2024/08/29/[\$LATEST]eSaba80bf7644ec2bf57477b2ebc3734

Log events

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.v38 Runtime version ARN: arn:aws:lambda:eu-north-1::runtime:ac65000e3fa005f007933...
2024-08-29T09:14:54.136Z	START RequestId: 36e50767-fac8-4ed3-83ff-87872352f94b Version: \$LATEST
2024-08-29T09:14:54.136Z	An Image has been added to the bucket saachil12: butterfly.jpg
2024-08-29T09:14:54.138Z	END RequestId: 36e50767-fac8-4ed3-83ff-87872352f94b
2024-08-29T09:14:54.138Z	REPORT RequestId: 36e50767-fac8-4ed3-83ff-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	

3