

Launch AWS Academy Learner x Create S3 bucket | S3 | us-east-1 x ChatGPT | OpenAI x ChatGPT

us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general Guest (2)

aws Services Search [Alt+S] N. Virginia voclabs/user3387492-SAWANT_ARNAV_SANTOSH @ 8389-5987-9662

Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region
US East (N. Virginia) us-east-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.

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Block all public access

Turning this setting on is the same as turning on all four settings below. Each of the following settings is independent of one another.

☐ **Block public access to buckets and objects granted through new access control lists (ACLs)**
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

☐ **Block public access to buckets and objects granted through any access control lists (ACLs)**
S3 will ignore all ACLs that grant public access to buckets and objects.

☐ **Block public access to buckets and objects granted through new public bucket or access point policies**
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

☐ **Block public and cross-account access to buckets and objects through any public bucket or access point policies**
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

Warning Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

☒ I acknowledge that the current settings might result in this bucket and the objects within becoming public.

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us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/create/function?blueprint=s3-get-object-python&intent=blueprints

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Lambda > Functions > Create function

Create function [Info](#)

Choose one of the following options to create your function.

☐ Author from scratch
Start with a simple Hello World example.

☒ Use a blueprint
Build a Lambda application from sample code and configuration presets for common use cases.

☐ Container image
Select a container image to deploy for your function.

Basic information [Info](#)

Blueprint name

Get S3 object python3.10
An Amazon S3 trigger that retrieves metadata for the object that has been updated.

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

lambda_arnav

Function name must be 1 to 64 characters, must be unique to the Region, and can't include spaces. Valid characters are a-z, A-Z, 0-9, hyphens (-), and underscores (_).

Runtime

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us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/create/function?blueprint=s3-get-object-python&intent=blueprints

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Lambda function code

Code is preconfigured by the chosen blueprint. You can configure it after you create the function. [Learn more](#) about deploying Lambda functions.

```
1 import json
2 import urllib.parse
3 import boto3
4
5 print('Loading function')
6
7 s3 = boto3.client('s3')
8
9
10 def lambda_handler(event, context):
11     #print("Received event: " + json.dumps(event, indent=2))
12
13     # Get the object from the event and show its content type
14     bucket = event['Records'][0]['s3']['bucket']['name']
15     key = urllib.parse.unquote_plus(event['Records'][0]['s3']['object']['key'], encoding='utf-8')
16     try:
17         response = s3.get_object(Bucket=bucket, Key=key)
18         print("CONTENT TYPE: " + response['ContentType'])
19         return response['ContentType']
20     except Exception as e:
21         print(e)
22         print('Error getting object {} from bucket {}. Make sure they exist and your bucket name is correct')
23         raise e
24
```

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S3 trigger

Remove

 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.

X 

Bucket region: us-east-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.

Suffix - optional
Enter a single optional suffix to limit the notifications to objects with keys that end with matching characters. Any [special characters](#)

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Execution role


Choose a role that defines the permissions of your function. To create a custom role, go to the [IAM console](#).

☐ Create a new role with basic Lambda permissions

☒ Use an existing role

☐ Create a new role from AWS policy templates

Existing role
Choose an existing role that you've created to be used with this Lambda function. The role must have permission to upload logs to Amazon CloudWatch Logs.



[View the LabRole role](#) on the IAM console.

Lambda function code

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```
1 import json
2 import urllib.parse
3 import boto3
4
5 print('Loading function')
6
7 s3 = boto3.client('s3')
8
9
```

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Launch AWS Academy Learner x Upload objects - S3 bucket lam ChatGPT | OpenAI x ChatGPT

us-east-1.console.aws.amazon.com/s3/upload/lambdabucketarnav?region=us-east-1&bucketType=general Guest (2)

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Upload succeeded
View details below.

Summary

Destination s3://lambdabucketarnav	Succeeded 1 file, 155.0 KB (100.00%)	Failed 0 files, 0 B (0%)
---------------------------------------	---	-----------------------------

Files and folders Configuration

Files and folders (1 Total, 155.0 KB)

Find by name

Name	Folder	Type	Size	Status	Error
1705469278...	-	image/jpeg	155.0 KB	Succeeded	-

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Launch AWS Academy Learner x CloudWatch | us-east-1 x ChatGPT | OpenAI x ChatGPT

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#logsV2:log-groups/log-group/\$252Faws\$252Flambda\$252Flambda_arnav/log-events/2024\$... Guest (2)

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CloudWatch

Favorites and recents

Dashboards

Alarms 0 0 0 0

Logs

- Log groups
- Log Anomalies
- Live Tail
- Logs Insights
- Contributor Insights

Metrics

X-Ray traces

Events

Application Signals

Network monitoring

CloudWatch > Log groups > /aws/lambda/lambda_arnav > 2024/10/08/[LATEST]ef9bc11373d542c1993faae25486732b

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 1m 1h UTC timezone Display

Timestamp	Message
	No older events at this moment. Retry
2024-10-08T09:59:59.511Z	INIT_START Runtime Version: python:3.10.v44 Runtime Version ARN: arn:aws:lambda:us-east-1::runtime:76...
2024-10-08T09:59:59.789Z	Loading function
2024-10-08T09:59:59.979Z	START RequestId: 0f49648d-fca6-49e3-a4ac-340760819951 Version: \$LATEST
2024-10-08T10:00:00.241Z	CONTENT TYPE: image/jpeg
2024-10-08T10:00:00.261Z	END RequestId: 0f49648d-fca6-49e3-a4ac-340760819951
2024-10-08T10:00:00.261Z	REPORT RequestId: 0f49648d-fca6-49e3-a4ac-340760819951 Duration: 282.86 ms Billed Duration: 283 ms Me...
	No newer events at this moment. Auto retry paused. Resume

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