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**Department of Information Technology**

**(NBA Accredited)**



**Semester: V**

**Academic Year: 2022-23**

**Class / Branch: TE IT**

**Subject: Advanced Devops Lab (ADL)**

**Name of Instructor: Prof. Vishal Badgujar**

**Name of Student: Siddhi Tangsali**

**Student ID: 23104069**

## **EXPERIMENT NO. 12**

**Aim:** To create a Lambda function which will log “An Image has been added” once you add an object to a specific bucket in S3

### **Theory:**

#### **Creating S3 Bucket**

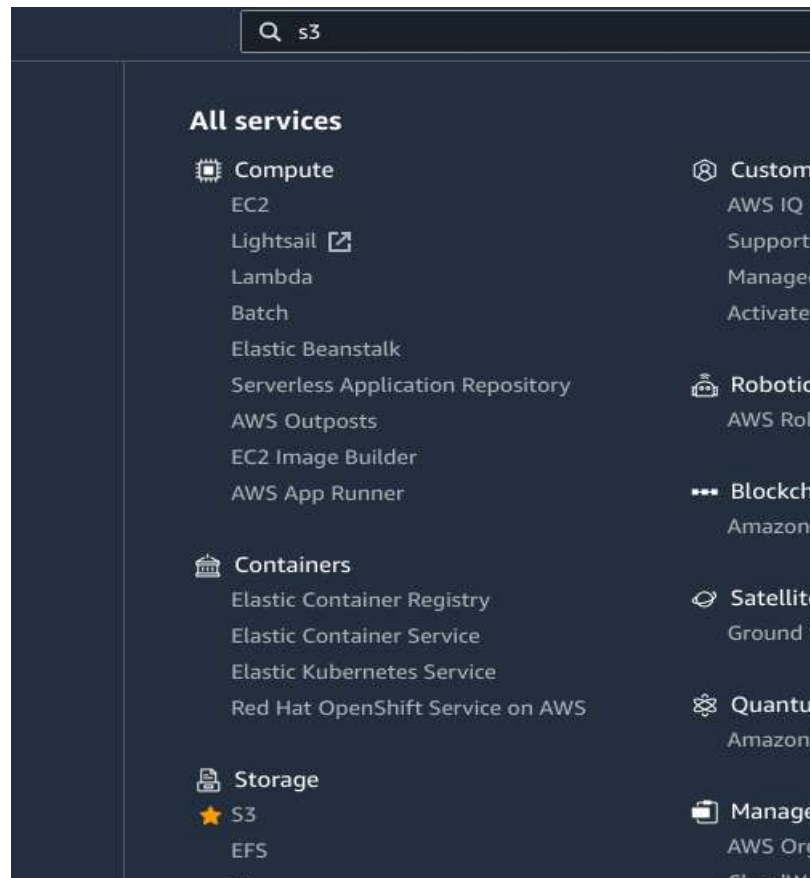
Let us start first by creating a s3 bucket in AWS console using the steps given below –

#### **Step 1**

Go to Amazon services and click **S3** in storage section as highlighted in the image given below –

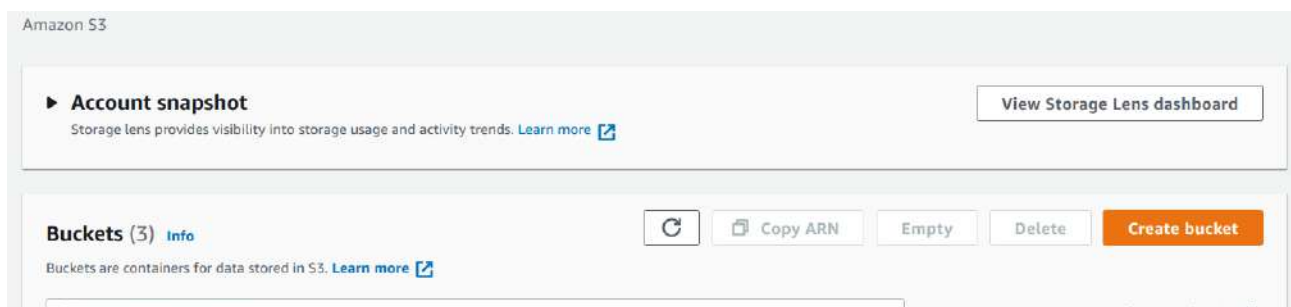


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### Step 2

Click **S3** storage and **Create bucket** which will store the files uploaded.



### Step 3

Once you click Create bucket button, you can see a screen as follows –



Amazon S3 > Create bucket

## Create bucket [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

### General configuration

Bucket name

myawsbucket

Bucket name must be unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

AWS Region

Asia Pacific (Mumbai) ap-south-1

Copy settings from existing bucket - *optional*

Only the bucket settings in the following configuration are copied.

[Choose bucket](#)

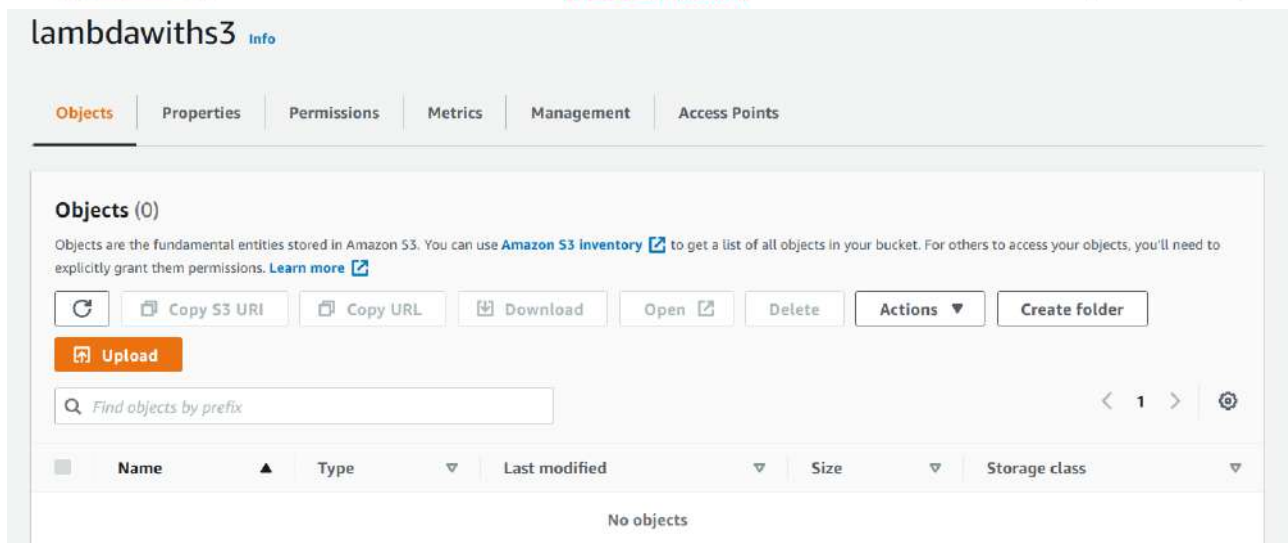
### Step 4

Enter the details Bucket name, Select the Region and click Create button at the bottom left side. Thus, we have created bucket with name :

<input type="radio"/> <a href="#">lambdawiths3</a>	Asia Pacific (Mumbai) ap-south-1	Bucket and objects not public	August 3, 2021, 11:22:23 (UTC+05:30)
--	----------------------------------	-------------------------------	--------------------------------------

### Step 5

Now, click the bucket name and it will ask you to upload files as shown below –



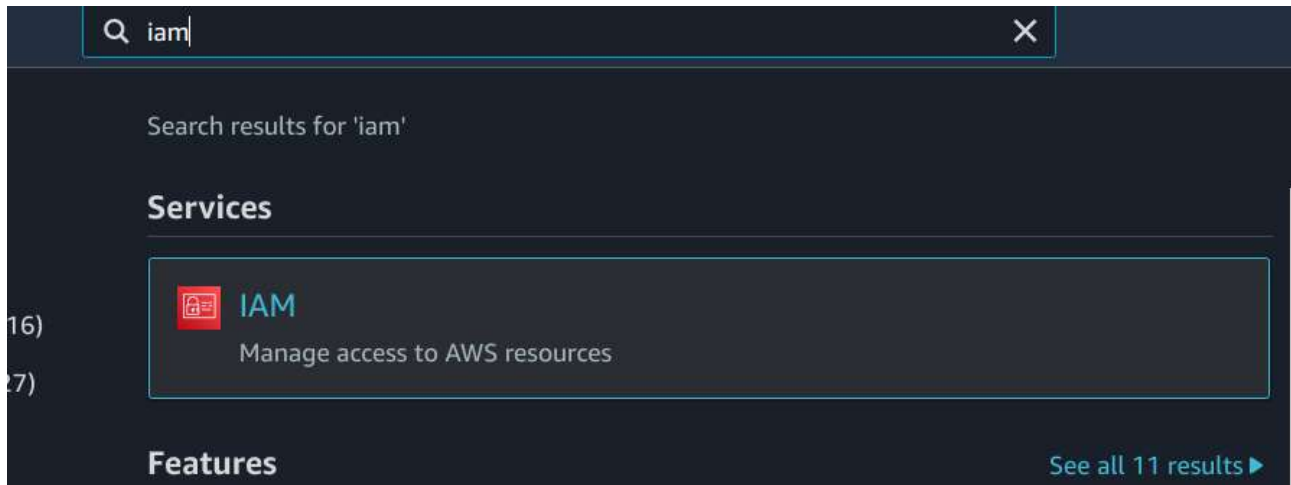
Thus, we are done with bucket creation in S3.

## Create Role that Works with S3 and Lambda

To create role that works with S3 and Lambda, please follow the Steps given below –

### Step 1

Go to AWS services and select IAM as shown below –



## Step 2

Now, click **IAM** -> **Roles** as shown below –



## Step 3

Now, click **Create role** and choose the services that will use this role. Select Lambda and click **Permission** button.



Create role

1 2 3 4

Select type of trusted entity

**AWS service**  
EC2, Lambda and others.

**Another AWS account**  
Belonging to you or 3rd party

**Web identity**  
Cognito or any OpenID provider

**SAML 2.0 federation**  
Your corporate directory

Allows AWS services to perform actions on your behalf. [Learn more](#)

Choose a use case

Common use cases

**EC2**

Allows EC2 instances to call AWS services on your behalf.

**Lambda**

Allows Lambda functions to call AWS services on your behalf.

Or select a service to view its use cases

<a href="#">API Gateway</a>	<a href="#">CodeBuild</a>	<a href="#">EMR Containers</a>	<a href="#">IoT SiteWise</a>	<a href="#">RDS</a>
<a href="#">AWS Backup</a>	<a href="#">CodeDeploy</a>	<a href="#">ElastiCache</a>	<a href="#">IoT Things Graph</a>	<a href="#">Redshift</a>
<a href="#">AWS Chatbot</a>	<a href="#">CodeGuru</a>	<a href="#">Elastic Beanstalk</a>	<a href="#">KMS</a>	<a href="#">Rekognition</a>
<a href="#">AWS Marketplace</a>	<a href="#">CodeStar Notifications</a>	<a href="#">Elastic Container Registry</a>	<a href="#">Kinesis</a>	<a href="#">RoboMaker</a>
<a href="#">AWS Support</a>	<a href="#">Comprehend</a>	<a href="#">Elastic Container Service</a>	<a href="#">Lake Formation</a>	<a href="#">S3</a>
<a href="#">Amplify</a>	<a href="#">Config</a>	<a href="#">Elastic Transcoder</a>	<a href="#">Lambda</a>	<a href="#">SMS</a>
<a href="#">AppStream 2.0</a>	<a href="#">Connect</a>	<a href="#">ElasticLoadBalancing</a>	<a href="#">Lex</a>	<a href="#">SNS</a>
<a href="#">AppSync</a>	<a href="#">DMS</a>	<a href="#">EventBridge</a>	<a href="#">License Manager</a>	<a href="#">SWF</a>
<a href="#">Application Auto Scaling</a>	<a href="#">Data Lifecycle Manager</a>	<a href="#">Forecast</a>	<a href="#">MQ</a>	<a href="#">SageMaker</a>
<a href="#">Application Discovery</a>	<a href="#">Data Pipeline</a>	<a href="#">GameLift</a>	<a href="#">Machine Learning</a>	<a href="#">Security Hub</a>

\* Required

Cancel

Next: Permissions

## Step 4

Add the permission from below and click Review.

**AmazonS3FullAccess, AWSLambdaFullAccess and CloudWatchFullAccess.**

## Step 5

Observe that we have chosen the following permissions –



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Create role

1

2

3

## Review

Provide the required information below and review this role before you create it.

Role name\*

Use alphanumeric and '+=, @-\_' characters. Maximum 64 characters.

Role description

Allows Lambda functions to call AWS services on your behalf.

Maximum 1000 characters. Use alphanumeric and '+=, @-\_' characters.

Trusted entities

AWS service: lambda.amazonaws.com

Policies



AmazonS3FullAccess



AWSLambda\_FullAccess



CloudWatchFullAccess

Permissions boundary

Permissions boundary is not set

No tags were added.

Observe that the Policies that we have selected are **AmazonS3FullAccess**, **AWSLambdaFullAccess** and **CloudWatchFullAccess**.

## Step 6

Now, enter the Role name, Role description and click Create Role button at the bottom.



lambdawiths3service

AWS Service: lambda

Thus, our role named lambdawiths3service is created.

## Create Lambda function and Add S3 Trigger





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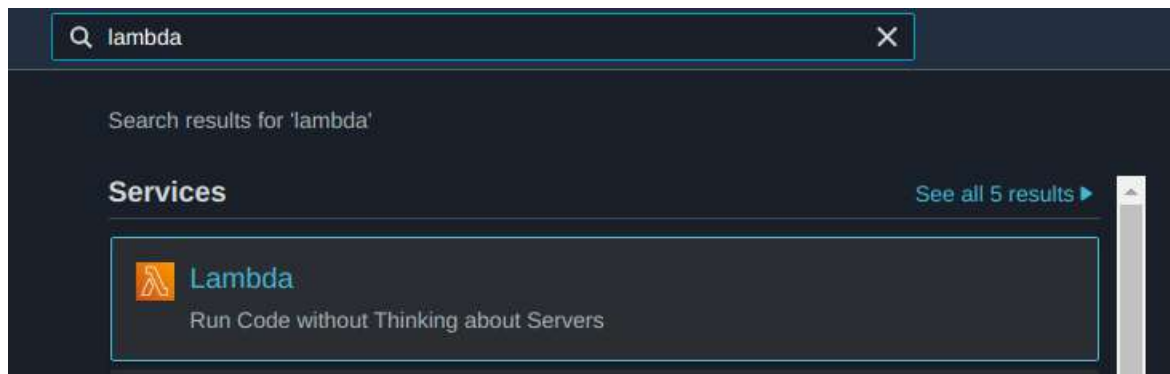
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In this section, let us see how to create a Lambda function and add a S3 trigger to it. For this purpose, you will have to follow the Steps given below –

## Step 1

Go to AWS Services and select Lambda as shown below –



## Step 2

Click **Lambda** and follow the process for adding **Name**. Choose the **Runtime**, **Role** etc. and create the function. The Lambda function that we have created is shown in the screenshot below –





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.

### Basic information

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

lambdawiths3bucket

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 14.x

**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

▼ Change default execution role

**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

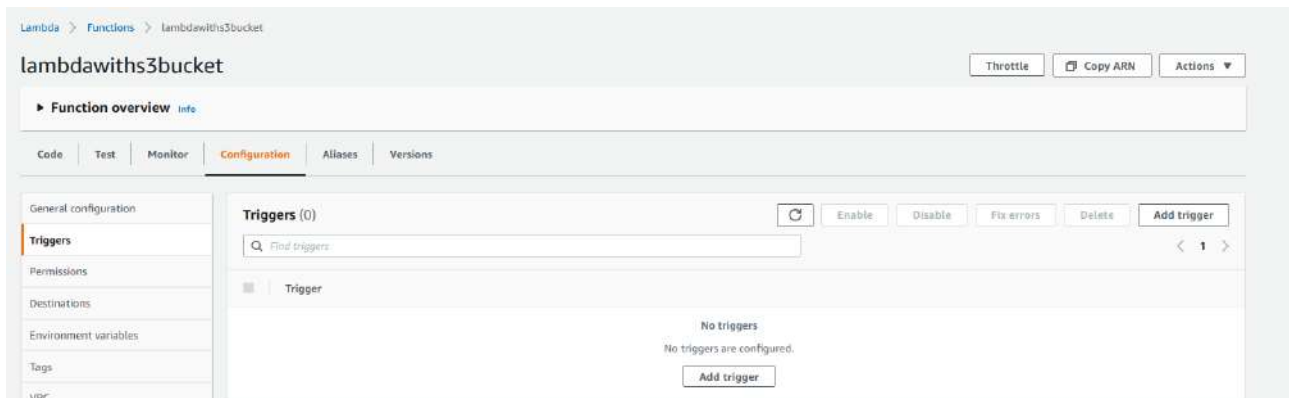
**Existing role**  
Choose an existing role that you've created to be used with this Lambda function. The role must have permission to upload logs to Amazon CloudWatch Logs.

lambdawiths3service

[View the lambdawiths3service role](#) on the IAM console.

### Step 3

Now let us add the S3 trigger.




## Step 4

Choose the trigger from above and add the details as shown below –

### Add trigger

#### Trigger configuration

 **S3**  
aws storage

**Bucket**  
Please select the S3 bucket that serves as the event source. The bucket must be in the same region as the function.  

lambdawiths3

**Event type**  
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


**Prefix - optional**  
Enter a single optional prefix to limit the notifications to objects with keys that start with matching characters.  

e.g. images/

**Suffix - optional**  
Enter a single optional suffix to limit the notifications to objects with keys that end with matching characters.  

.jpg

Lambda will add the necessary permissions for Amazon S3 to invoke your Lambda function from this trigger. [Learn more](#) about the Lambda permissions model.

 **Recursive invocation**

If your function writes objects to an S3 bucket, ensure that you are using different S3 buckets for input and output. Writing to the same bucket increases the risk of creating a recursive invocation, which can result in increased Lambda usage and increased costs. [Learn more](#)

☒ I acknowledge that using the same S3 bucket for both input and output is not recommended and that this configuration can cause recursive invocations, increased Lambda usage, and increased costs.

Cancel

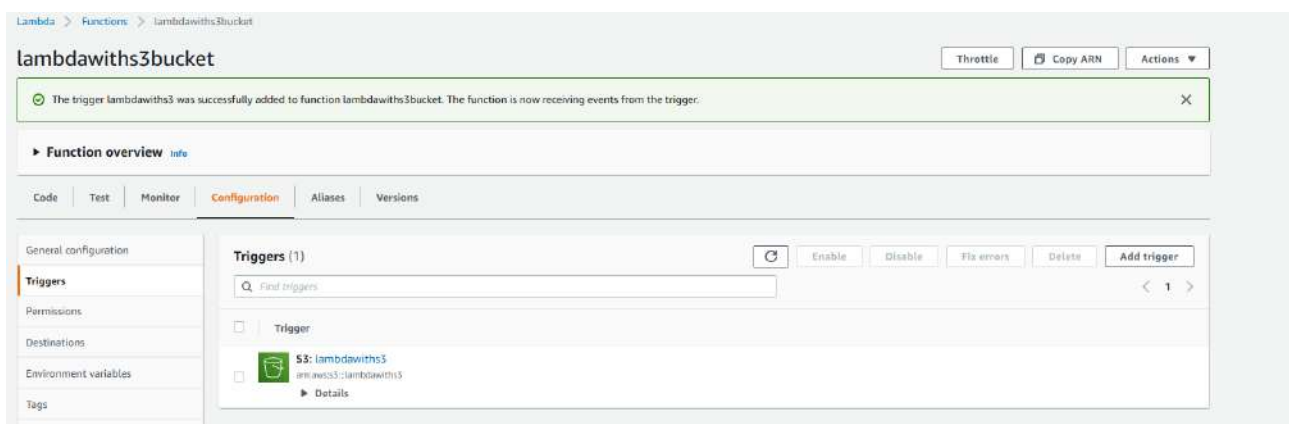
Add



You can add Prefix and File pattern which are used to filter the files added. For Example, to trigger lambda only for .jpg images. as we need to trigger Lambda for all jpg image files uploaded. Click Add button to add the trigger.

## Step 5

You can find the the trigger display for the Lambda function as shown below –



## Step 6

Let's add the details for the aws lambda function. Here, we will use the online editor to add our code and use nodejs as the runtime environment.

To trigger S3 with AWS Lambda, we will have to use S3 event in the code as shown below –



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Lambda > Functions > lambdawiths3bucket

**lambdawiths3bucket** Throttle Copy ARN Actions

✓ The trigger lambdawiths3 was successfully added to function lambdawiths3bucket. The function is now receiving events from the trigger.

► **Function overview** [info](#)

[Code](#) | [Test](#) | [Monitor](#) | [Configuration](#) | [Aliases](#) | [Versions](#)

**Code source** [info](#) Upload from

File Edit Find View Go Tools Window **Test** Deploy Changes not deployed

Go to Anything (Ctrl-P)

Environment

index.js

```
1 exports.handler = function(event, context, callback) {
2   console.log("Incoming Event: ", event);
3   const bucket = event.Records[0].s3.bucket.name;
4   const filename = decodeURIComponent(event.Records[0].s3.object.key.replace(/\+/g, ' '));
5   const message = 'An Image has been added - ${bucket} -> ${filename}';
6   console.log(message);
7   callback(null, message);
8 };
```

8:3 JavaScript Spaces: 4

**Code properties**

Package size 304.0 byte	SHA256 hash uTJfXt0sQrdBf6CxaZoBcLT6Hd0A48LniMm4gpugDw=	Last modified August 3, 2021, 11:36 AM GMT+5:30
----------------------------	--	--

**Runtime settings** [info](#) Edit

Runtime Node.js 14.x	Handler <a href="#">info</a> index.handler
-------------------------	---

## Step 7:

let us save the changes and test the lambda function with S3upload.



### Step 8:

Now, save the Lambda function. Open S3 from Amazon services and open the bucket we created earlier namely lambdawiths3.

Upload the image in it as shown below –

Click **Add files** to add files. You can also drag and drop the files. Now, click **Upload** button.

**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 folders**.

**Files and folders** (1 Total, 44.0 KB) [Remove](#) [Add files](#) [Add folder](#)

All files and folders in this table will be uploaded.

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	apsit_logo.jpg	-	image/jpeg	44.0 KB

Thus, we have uploaded one image in our S3 bucket.

### Step 9

To see the trigger details, go to AWS service and select CloudWatch. Open the logs for the Lambda  
AWS Lambda function gets triggered when file is uploaded in S3 bucket  
and the details are logged in Cloudwatch as shown below –



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CloudWatch > Log groups > /aws/lambda/lambdawiths3bucket > 2021/08/03/[SLATEST]0f36a60d46ca40078172fc11de9d735f

### 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](#)

Clear 1m

An image has been Added -> **apsit\_logo.jpg** you can see in cloudwatch logs.





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## Output Screenshots:

aws [Search] [Alt+S] Asia Pacific (Mumbai) Vaishnavi Tangali

Amazon S3 > Buckets > Create bucket

☒ **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  
lambdawiths3-st  
Bucket names must be 3 to 63 characters and unique within the global namespace. Bucket names must also begin and end with a letter or number. Valid characters are a-z, 0-9, periods (.), and hyphens (-). [Learn More](#)

**Copy settings from existing bucket - optional**  
Only the bucket settings in the following configuration are copied.  
[Choose bucket](#)  
Format: s3://bucket/prefix

**Object Ownership** Info  
Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

☒ **ACLs disabled (recommended)**  
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

☐ **ACLs enabled**  
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

**Object Ownership**  
Bucket owner enforced

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Create role | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles/create

aws [Search] [Alt+S] Global Vaishnavi Tangali

IAM > Roles > Create role

Step 3  
☐ Name, review, and create

☒ **AWS service**  
Allow AWS services like EC2, Lambda, or others to perform actions in this account.

☐ **AWS account**  
Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.

☐ **Web identity**  
Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.

☐ **SAML 2.0 federation**  
Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.

☐ **Custom trust policy**  
Create a custom trust policy to enable others to perform actions in this account.

**Use case**  
Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

**Service or use case**  
Lambda

Choose a use case for the specified service.  
**Use case**  
☒ **Lambda**

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us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles/create?trustedEntityType=AWS\_SERVICE&selectedService=Lambda&selectedUseCas...

aws [Search] [Alt+S] Global Vaishnavi Tangali

IAM > Roles > Create role

Step 1: Select trusted entity  
Step 2: **Add permissions**  
Step 3: Name, review, and create

### Add permissions

Permissions policies (3/1066) Info

Choose one or more policies to attach to your new role.

Filter by Type: All types 2 matches

Policy name	Type	Description
<input checked="" type="checkbox"/> CloudWatchFullAccess	AWS managed	Provides full access to CloudWatch.
<input type="checkbox"/> CloudWatchFullAccessV2	AWS managed	Provides full access to CloudWatch.

► Set permissions boundary - optional

Cancel Previous Next

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us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles/create?trustedEntityType=AWS\_SERVICE&selectedService=Lambda&selectedUseCas...

aws [Search] [Alt+S] Global Vaishnavi Tangali

IAM > Roles > Create role

Step 1: Select trusted entity  
Step 2: Add permissions  
Step 3: **Name, review, and create**

### Name, review, and create

Role details

**Role name**  
Enter a meaningful name to identify this role.  
  
Maximum 64 characters. Use alphanumeric and '+', '@', '\_' characters.

**Description**  
Add a short explanation for this role.  
  
Maximum 1000 characters. Use letters (A-Z and a-z), numbers (0-9), tabs, new lines, or any of the following characters: \_+@-/\!{}[]\$%^&\*()~`"

Step 1: Select trusted entities Edit

Trust policy

```
1 {  
2   "Version": "2012-10-17",
```

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us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles/create?trustedEntityType=AWS\_SERVICE&selectedService=Lambda&selectedUseCas...

Search [Alt+S]

Global Vaishnavi Tangali

IAM > Roles > Create role

### Step 2: Add permissions

[Edit](#)

#### Permissions policy summary

Policy name	Type	Attached as
<a href="#">AmazonS3FullAccess</a>	AWS managed	Permissions policy
<a href="#">AWSLambda_FullAccess</a>	AWS managed	Permissions policy
<a href="#">CloudWatchFullAccess</a>	AWS managed	Permissions policy

### Step 3: Add tags

#### Add tags - optional

Tags are key-value pairs that you can add to AWS resources to help identify, organize, or search for resources.

No tags associated with the resource.

[Add new tag](#)

You can add up to 50 more tags.

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us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles

Search [Alt+S]

Global Vaishnavi Tangali

IAM > Roles

## Identity and Access Management (IAM)

Search IAM

- Dashboard
- Access management
  - User groups
  - Users
  - Roles**
  - Policies
  - Identity providers
  - Account settings
  - Root access management
- Access reports
  - Access Analyzer
  - Resource analysis
  - Unused access

## Roles (4)

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

Search

Role name	Trusted entities	Last activity
<a href="#">apsttlambda</a>	AWS Service: lambda	-
<a href="#">AWSServiceRoleForSupport</a>	AWS Service: support (Service-Linker)	-
<a href="#">AWSServiceRoleForTrustedAdvisor</a>	AWS Service: trustedadvisor (Service-Linker)	-
<a href="#">sum-role-ssobzwhj</a>	AWS Service: lambda	18 minutes ago

### Roles Anywhere

Authenticate your non AWS workloads and securely provide access to AWS services.

[Manage](#)

Access AWS from your non AWS workloads

X.509 Standard

Temporary credentials

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Create function | Functions | x +

ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/create/function?firstrun=true&intent=authorFromScratch

aws Search [Alt+S]

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

**Function name**  
Enter a name that describes the purpose of your function.  
  
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** 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.  
☐ arm64

**Info** **Tutorials**

Learn how to implement common use cases in AWS Lambda.

#### Create a simple web app

In this tutorial you will learn how to:

- Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage
- Invoke your function through its function URL

[Learn more](#)

[Start tutorial](#)

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Create function | Functions | x +

ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/create/function?firstrun=true&intent=authorFromScratch

aws Search [Alt+S]

Lambda > Functions > Create function

### 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**

**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 apsitlambda role](#) on the IAM console.

► **Additional configurations**  
Use additional configurations to set up code signing, function URL, tags, and Amazon VPC access for your function.

[Cancel](#) [Create function](#)

**Info** **Tutorials**

Learn how to implement common use cases in AWS Lambda.

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[Learn more](#)

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lambdawiths3-st | Functions

ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/lambdawiths3-st?newFunction=true&tab=code

Successfully created the function **lambdawiths3-st**. You can now change its code and configuration. To invoke your function with a test event, choose "Test".

### lambdawiths3-st

Throttle Copy ARN Actions

Export to Infrastructure Composer Download

**Function overview** Info

Diagram Template

**lambdawiths3-st**

Layers (0)

+ Add trigger + Add destination

**Description**

Last modified 12 seconds ago

**Function ARN**  
arn:aws:lambda:ap-south-1:023048595309:function:lambdawiths3-st

**Function URL** Info

**Info** Tutorials

Learn how to implement common use cases in AWS Lambda.

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- Invoke your function through its function URL

Learn more

Start tutorial

Code Test Monitor Configuration Aliases Versions

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Add triggers | Lambda

ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/add/relationship?focus=aws%2FLambda&target=arn%3Aaws%3ALambda%3Aap-south-1%3...

### Add trigger

**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/lambdawiths3-st  
Bucket region: ap-south-1

**Event types**  
Select the events that you want to 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

**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/

**Info** Tutorials

Learn how to implement common use cases in AWS Lambda.

#### Create a simple web app

In this tutorial you will learn how to:

- Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage
- Invoke your function through its function URL

Learn more

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lambdawiths3-st | Functi x +

ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/lambdawiths3-st?subtab=triggers&tab=configure

aws Search [Alt+S]

Asia Pacific (Mumbai) Vaishnavi Tangali

Lambda > Functions > lambdawiths3-st

### lambdawiths3-st

Throttle Copy ARN Actions

The trigger lambdawiths3-st was successfully added to function lambdawiths3-st. The function is now receiving events from the trigger.

#### Function overview

Diagram Template

lambdawiths3-st

Layers (0)

S3

+ Add trigger

+ Add destination

Export to Infrastructure Composer Download

Description

Last modified 4 minutes ago

Function ARN arn:aws:lambda:ap-south-1:023048595309:function:lambdawiths3-st

Function URL Info

#### Info Tutorials

Learn how to implement common use cases in AWS Lambda.

#### Create a simple web app

In this tutorial you will learn how to:

- Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage
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Upload objects - S3 buck x +

ap-south-1.console.aws.amazon.com/s3/upload/lambdawiths3-st?region=ap-south-1

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Amazon S3 > Buckets > lambdawiths3-st > Upload

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

### Files and folders (1 total, 67.9 KB)

All files and folders in this table will be uploaded.

Find by name

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	1.png	-	image/png	67.9 KB

#### Destination

Destination s3://lambdawiths3-st

Destination details Bucket settings that impact new objects stored in the specified destination.

#### Permissions

Grant public access and access to other AWS accounts.

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Upload objects - S3 bucket x +

ap-south-1.console.aws.amazon.com/s3/upload/lambdawiths3-st?region=ap-south-1

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**Upload succeeded**  
For more information, see the Files and folders table.

**Summary**

<b>Destination</b> s3://lambdawiths3-st	<b>Succeeded</b> 1 file, 67.9 KB (100.00%)	<b>Failed</b> 0 files, 0 B (0%)
--	---	------------------------------------

**Files and folders** Configuration

**Files and folders** (1 total, 67.9 KB)

Find by name

Name	Folder	Type	Size	Status	Error
1.png	-	Image/png	67.9 KB	Succeeded	-

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S3 buckets | S3 | ap-south-1 x +

ap-south-1.console.aws.amazon.com/s3/buckets?region=ap-south-1&bucketType=general

aws Search [Alt+S] Asia Pacific (Mumbai) Vaishnavi Tangali

Amazon S3 > Buckets

**Successfully created bucket "lambdawiths3-st"**  
To upload files and folders, or to configure additional bucket settings, choose **View details**.

**General purpose buckets** All AWS Regions Directory buckets

**General purpose buckets** (1) Info

Copy ARN Empty Delete Create bucket

Buckets are containers for data stored in S3.

Find buckets by name

Name	AWS Region	Creation date
lambdawiths3-st	Asia Pacific (Mumbai) ap-south-1	July 29, 2025, 15:47:13 (UTC+05:30)

**Account snapshot** Info  
Updated daily  
View dashboard  
Storage Lens provides visibility into storage usage and activity trends.

**External access summary - new** Info  
Updated daily  
External access findings help you identify bucket permissions that allow public access or access from other AWS accounts.

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S3 buckets | S3 | ap-south-1

ap-south-1.console.aws.amazon.com/s3/buckets?region=ap-south-1&bucketType=general

Search [Alt+S]

Asia Pacific (Mumbai) Vaishnavi Tangali

Amazon S3 > Buckets

Successfully created bucket "lambdawiths3-st"  
To upload files and folders, or to configure additional bucket settings, choose [View details](#).

General purpose buckets All AWS Regions Directory buckets

General purpose buckets (1) Info

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**Conclusion: : Hence created a Lambda function which will log “An Image has been added” once you add an object to a specific bucket in S3.**