

Console Home | Console Home

ap-southeast-2.console.aws.amazon.com/console/home?nc2=h_ct&src=header-signin®ion=ap-southeast-2

aws Services Search [Alt+S] Sydney shreyaskamble

Console Home

Reset to default layout + Add widgets

Recently visited

- IAM
- Lambda
- S3
- EC2
- CloudWatch
- AWS Amplify

IAM Identity Center

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Search

22:11 04-10-2024 ENG IN

S3 buckets | S3 | ap-southeast-2

ap-southeast-2.console.aws.amazon.com/s3/home?region=ap-southeast-2

aws Services Search [Alt+S] X ? ⓘ Sydney shreyaskamble

Amazon S3

Buckets

Access Grants

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

General purpose buckets Directory buckets

General purpose buckets (2) [Info](#) All AWS Regions

[Create bucket](#)

Buckets are containers for data stored in S3.

Find buckets by name

< 1 > ⚙️

| Name | AWS Region | IAM Access Analyzer | Creation date |
|------|------------|---------------------|---------------|
|------|------------|---------------------|---------------|

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Create S3 bucket | S3 | ap-souti x + - □ X

ap-southeast-2.console.aws.amazon.com/s3/bucket/create?region=ap-southeast-2&bucketType=general

aws Services Search [Alt+S] Sydney shreyaskamble

Amazon S3 > Buckets > Create bucket

Create bucket Info

Buckets are containers for data stored in S3.

General configuration

AWS Region
Asia Pacific (Sydney) ap-southeast-2

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*

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Very humid Now ENG IN 22:12 04-10-2024

Create S3 bucket | S3 | ap-souti

ap-southeast-2.console.aws.amazon.com/s3/bucket/create?region=ap-southeast-2&bucketType=general

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Block Public Access settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Block all public access
Turning this setting on is the same as turning on all four settings below. Each of the following settings are 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.

⚠️ 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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Create S3 bucket | S3 | ap-souti

ap-southeast-2.console.aws.amazon.com/s3/bucket/create?region=ap-southeast-2&bucketType=general

Services Search [Alt+S]

Sydney shreyaskamble

Default encryption Info

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type Info

- Server-side encryption with Amazon S3 managed keys (SSE-S3)
- Server-side encryption with AWS Key Management Service keys (SSE-KMS)
- Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)
Secure your objects with two separate layers of encryption. For details on pricing, see [DSSE-KMS pricing](#) on the [Storage tab](#) of the [Amazon S3 pricing page](#).

Bucket Key

Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

- Disable
- Enable

► Advanced settings

After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel Create bucket

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TB - ATL Game score

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S3 buckets | S3 | ap-southeast-2

ap-southeast-2.console.aws.amazon.com/s3/home?region=ap-southeast-2&bucketType=general

Services Search [Alt+S] Sydney shreyaskamble

Successfully deleted bucket "techfusion-src-bkt"

Amazon S3

Account snapshot - updated every 24 hours All AWS Regions View Storage Lens dashboard

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

General purpose buckets Directory buckets

General purpose buckets (1) Info All AWS Regions

Buckets are containers for data stored in S3.

Find buckets by name

C Copy ARN Empty Delete Create bucket

< 1 >

| Name | AWS Region | IAM Access Analyzer | Creation date |
|------------------------------------|--------------------------------------|--|---------------------------------------|
| techfusion-src-bkt | Asia Pacific (Sydney) ap-southeast-2 | View analyzer for ap-southeast-2 | October 4, 2024, 22:13:18 (UTC+05:30) |

- Create One more S3 bucket as a Destination Bucket to store resized image
Give name according to you

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S&P 500 +0.31% Search ENG IN 22:14 04-10-2024

S3 buckets | S3 | ap-southeast-2

ap-southeast-2.console.aws.amazon.com/s3/buckets?region=ap-southeast-2&bucketType=general

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S3
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Console Home
View resource insights, service shortcuts, and feature updates

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Manage access to AWS resources

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Run code without thinking about servers

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Virtual Servers in the Cloud

CloudWatch
Monitor Resources and Applications

AWS Amplify
AWS Amplify is a complete platform—frameworks & tools and app services—for developing, building, testing, and running mobile and web apps

View details X

View Storage Lens dashboard

- Create an IAM role

Copy ARN Empty Delete Create bucket

| Creation date | |
|---------------|---------------------------------------|
| heast-2 | October 4, 2024, 22:15:09 (UTC+05:30) |
| heast-2 | October 4, 2024, 22:13:18 (UTC+05:30) |

Creation date

heast-2

heast-2

October 4, 2024, 22:15:09 (UTC+05:30)

October 4, 2024, 22:13:18 (UTC+05:30)

Systems Manager

https://us-east-1.console.aws.amazon.com/iam/home?region=ap-southeast-2

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Search

22:15 04-10-2024 ENG IN

Roles | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=ap-southeast-2#/roles

Services Search [Alt+S] Global shreyaskamble

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users
- Roles**
- Policies
- Identity providers
- Account settings

Access reports

- Access Analyzer
- External access
- Unused access
- Analyzer settings
- Credential report
- Organization activity

IAM > Roles

Roles (7) Info

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.

| <input type="checkbox"/> | Role name | ▲ Trusted entities | Last activity |
|--------------------------|---|---|---------------|
| <input type="checkbox"/> | AWSServiceRoleForAPIGateway | AWS Service: ops.apigateway (Service-Linked Role) | - |
| <input type="checkbox"/> | AWSServiceRoleForSSO | AWS Service: sso (Service-Linked Role) | - |
| <input type="checkbox"/> | AWSServiceRoleForSupport | AWS Service: support (Service-Linked Role) | - |
| <input type="checkbox"/> | AWSServiceRoleForTrustedAdvisor | AWS Service: trustedadvisor (Service-Linked Role) | - |
| <input type="checkbox"/> | ssk-role-kmr0tw82 | AWS Service: lambda | - |
| <input type="checkbox"/> | tanmay-api-lambda-role-j8v7nan6 | AWS Service: lambda | 2 hours ago |
| <input type="checkbox"/> | techfusionrole | AWS Service: lambda | 2 hours ago |

Roles Anywhere Info

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

Manage

https://us-east-1.console.aws.amazon.com/iam/home?region=ap-southeast-2#/roles

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Search

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ENG IN 04-10-2024 22:15

Create role | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=ap-southeast-2#/roles/create

Services Search [Alt+S]

Global shreyaskamble

IAM > Roles > Create role

Step 1 Select trusted entity

Step 2 Add permissions

Step 3 Name, review, and create

Select trusted entity Info

Trusted entity type

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

Choose a service or use case

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Create role | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=ap-southeast-2#/roles/create

Services Search [Alt+S]

IAM > Roles > Create role

Step 1 Select trusted entity

Step 2 Add permissions

Step 3 Name, review, and create

Commonly used services

- EC2
- Lambda

Other services

- Amazon EMR Serverless
- Amazon OpenSearch Service
- Amazon Q Business
- AmazonGrafana
- Amplify
- API Gateway
- AppFabric
- Application Auto Scaling
- Application Discovery Service
- Application Migration Service
- AppStream 2.0
- AppSync
- AWS Backup
- Lambda

Choose a use case for the specified service.

Filter service or use case

Web identity

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

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22:15 04-10-2024 ENG IN

Create role | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=ap-southeast-2#/roles/create?trustedEntityType=AWS_SERVICE&selectedService=Lambda&selectedUseCase=Lambda

Services Search [Alt+S]

IAM > Roles > Create role

Step 1 Select trusted entity

Step 2 Add permissions

Step 3 Name, review, and create

Choose Policies:

- AmazonS3FullAccess
- AWSLambda_FullAccess
- AWSLambdaBasicExecutionRole

Add permissions Info

Permissions policies (1/957) Info

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

Filter by Type

| Policy name | Type | Description |
|--|-------------|--|
| <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> AmazonDMSRedshiftS3Role | AWS managed | Provides access to manage S3 settings... |
| <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> AmazonS3FullAccess | AWS managed | Provides full access to all buckets via t... |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> AmazonS3ObjectLambdaExecutionRol... | AWS managed | Provides AWS Lambda functions permi... |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> AmazonS3OutpostsFullAccess | AWS managed | Provides full access to Amazon S3 on ... |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> AmazonS3OutpostsReadOnlyAccess | AWS managed | Provides read only access to Amazon S... |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> AmazonS3ReadOnlyAccess | AWS managed | Provides read only access to all bucket... |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> AWSBackupServiceRolePolicyForS3Bac... | AWS managed | Policy containing permissions necessar... |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> AWSBackupServiceRolePolicyForS3Res... | AWS managed | Policy containing permissions necessar... |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> QuickSightAccessForS3StorageManage... | AWS managed | Policy used by QuickSight team to acc... |

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Search

22:16 04-10-2024 ENG IN

us-east-1.console.aws.amazon.com/iam/home?region=ap-southeast-2#/roles/create?trustedEntityType=AWS_SERVICE&selectedService=Lambda&selectedUseCase=Lambda

Services Search [Alt+S] Global shreyaskamble

Step 2 Add permissions

Step 3 Name, review, and create

Permissions policies (3/957) Info

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

Filter by Type

| Policy name | Type | Description |
|---|------------------|---|
| <input type="checkbox"/> AmazonS3ObjectLambdaExecutionRole | AWS managed | Provides AWS Lambda functions permis... |
| <input type="checkbox"/> AmazonSageMakerPartnerServiceCatalog | AWS managed | Service role policy used by the AWS La... |
| <input type="checkbox"/> AmazonSageMakerServiceCatalogProduct | AWS managed | Service role policy used by the AWS La... |
| <input type="checkbox"/> AWSCodeDeployRoleForLambda | AWS managed | Provides CodeDeploy service access to ... |
| <input type="checkbox"/> AWSCodeDeployRoleForLambdaLimited | AWS managed | Provides CodeDeploy service limited a... |
| <input type="checkbox"/> AWSDeepLensLambdaFunctionAccessPolicy | AWS managed | This policy specifies permissions requir... |
| <input checked="" type="checkbox"/> AWSLambda_FullAccess | AWS managed | Grants full access to AWS Lambda serv... |
| <input type="checkbox"/> AWSLambda_ReadOnlyAccess | AWS managed | Grants read-only access to AWS Lamb... |
| <input checked="" type="checkbox"/> AWSLambdaBasicExecutionRole | AWS managed | Provides write permissions to CloudW... |
| <input type="checkbox"/> AWSLambdaBasicExecutionRole-4122424... | Customer managed | - |
| <input type="checkbox"/> AWSLambdaBasicExecutionRole-780f108... | Customer managed | - |

Create role | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=ap-southeast-2#/roles/create?trustedEntityType=AWS_SERVICE&selectedService=Lambda&selectedUseCase=Lambda&policies=arn%3Aaws%3Ai...

Services Search [Alt+S]

Step 2 Add permissions

Step 3 Name, review, and create

Give any name to the role

Role details

Role name: techrole

Description: Allows Lambda functions to call AWS services on your behalf.

Step 1: Select trusted entities

Edit

Trust policy:

```
1  {
2      "Version": "2012-10-17",
3      "Statement": [
4          {
5              "Effect": "Allow",
6              "Action": [
7                  "sts:AssumeRole"
8              ],
9              "Principal": {
10                 "Service": [
11                     "lambda.amazonaws.com"
12                 ]
13             }
14         }
15     ]
16 }
```

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22:16 04-10-2024 ENG IN

us-east-1.console.aws.amazon.com/iam/home?region=ap-southeast-2#/roles/create?trustedEntityType=AWS_SERVICE&selectedService=Lambda&selectedUseCase=Lambda&policies=arn%3Aaws%3Ai...

Step 2: Add permissions

Permissions policy summary

| Policy name | Type | Attached as |
|---|-------------|--------------------|
| AmazonS3FullAccess | AWS managed | Permissions policy |
| AWSLambda_FullAccess | AWS managed | Permissions policy |
| AWSLambdaBasicExecutionRole | AWS managed | Permissions policy |

Step 3: Add tags

Add tags - optional Info

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.

[Cancel](#) [Previous](#) [Create role](#)



Services

Search

[Alt+S]



Global

shreyaskamble

Identity and Access Management (IAM)

Search IAM

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Access management

User groups

Users

Roles

Policies

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Account settings

Access reports

Access Analyzer

External access

Unused access

Analyzer settings

Credential report

Organization activity

Role techrole created.

View role

IAM > Roles

Roles (8) Info

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

< 1 >



| <input type="checkbox"/> | Role name | Trusted entities | Last activity |
|--------------------------|---|---|---------------|
| <input type="checkbox"/> | AWSServiceRoleForAPIGateway | AWS Service: ops.apigateway (Service-Linked Role) | - |
| <input type="checkbox"/> | AWSServiceRoleForSSO | AWS Service: sso (Service-Linked Role) | - |
| <input type="checkbox"/> | AWSServiceRoleForSupport | AWS Service: support (Service-Linked Role) | - |
| <input type="checkbox"/> | AWSServiceRoleForTrustedAdvisor | AWS Service: trustedadvisor (Service-Linked Role) | - |
| <input type="checkbox"/> | ssk-role-kmr0tw82 | AWS Service: lambda | - |
| <input type="checkbox"/> | tanmay-api-lambda-role-j8v7nan6 | AWS Service: lambda | 2 hours ago |
| <input type="checkbox"/> | techfusionrole | AWS Service: lambda | 2 hours ago |
| <input type="checkbox"/> | techrole | AWS Service: lambda | - |

Created a New Role

Roles Anywhere Info

Manage



Roles | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=ap-southeast-2#/roles

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Game Development

IAM Manage access to AWS resources

S3 Scalable Storage in the Cloud

Console Home View resource insights, service shortcuts, and feature updates

Lambda Run code without thinking about servers

EC2 Virtual Servers in the Cloud

CloudWatch Monitor Resources and Applications

AWS Amplify AWS Amplify is a complete platform—frameworks & tools and app services—for developing, building, testing, and running mobile and web apps

Recently visited

View role

Create role

Last activity

| Trusted entities | Last activity |
|---|---------------|
| S Service: ops.apigateway (Service-Linked Role) | - |
| S Service: sso (Service-Linked Role) | - |
| S Service: support (Service-Linked Role) | - |
| S Service: trustedadvisor (Service-Linked Role) | - |
| S Service: lambda | - |
| S Service: lambda | 2 hours ago |
| S Service: lambda | 2 hours ago |
| S Service: lambda | - |

Manage

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Search

22:17 04-10-2024

Dashboard | Lambda

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/discover

Services Search [Alt+S] Sydney shreyaskamble

Lambda

Resources for Asia Pacific (Sydney)

Create function

| | | | |
|--------------------|--------------------------|--------------------------|--------------------------------|
| Lambda function(s) | Code storage | Full account concurrency | Unreserved account concurrency |
| 0 | 31.5 MB (0% of 75 GB) | 400 | 400 |

Account-level metrics

The charts below show metrics across all your Lambda functions in this AWS Region.

• Creating a Lambda Function

3h 1d 1w UTC timezone ▾

| Error count and success rate | Throttles | Invocations |
|---|---|---|
| <p>Count % 1 100 0.5 99.5 0 99 14:30 15:30 16:30 Errors [max: 0] Success rate [min: 100%]</p> | <p>Count 1 0.5 0 14:30 15:30 16:30 Throttles [max: 0]</p> | <p>Count 2 1.5 1 14:30 15:30 16:30 Invocations [sum: 3]</p> |

https://ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/creat... © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

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22:18 04-10-2024

Create function | Functions | Lar x + - □ ×

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/create/function

Services Search [Alt+S] Services Sydney shreyaskamble

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.

tech-image-process

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

C

Architecture Info

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

- x86_64
- arm64

Permissions Info

Give name to the function choose runtime environment and architecture

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Search

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Create function | Functions | Lar x +

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/create/function

Services Search [Alt+S] Sydney shreyaskamble

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

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

techfusionrole
techrole

Cancel Create function

Choose a role that we have created

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tech-image-process | Functions

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/functions/tech-image-process?newFunction=true&tab=code

Services Search [Alt+S] Sydney shreyaskamble

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

Lambda > Functions > tech-image-process

tech-image-process

Throttle Copy ARN Actions ▾

Function overview Info Export to Application Composer Download ▾

Diagram Template

tech-image-process

Layers (0)

+ Add trigger + Add destination

Description

Last modified 7 seconds ago

Function ARN arn:aws:lambda:ap-southeast-2:476114140624:function:tech-image-process

Function URL Info

Code Test Monitor Configuration Aliases Versions

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Search

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A screenshot of the Visual Studio Code (VS Code) interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows "Lambda-Handson". The left sidebar has icons for Explorer, Search, Open, and Outline. The Explorer view shows a folder named "LAMBDA-HANDSON" containing "nodejs" (which further contains node_modules, package-lock.json, package.json, README.md, .gitignore), and "index.mjs". The main editor area displays a JavaScript file named "index.mjs" with the following code:

```
// Import the necessary modules
import {
  S3Client,
  GetObjectCommand,
  PutObjectCommand,
} from "@aws-sdk/client-s3";
import { Jimp, JimpMime } from "jimp"; // Correct import

// Create an S3 client
const s3 = new S3Client({ region: "ap-southeast-2" }); // Adjust the region as necessary

export const handler = async (event) => {
  // Get the bucket name and object key from the event
  const sourceBucket = event.Records[0].s3.bucket.name;
  const imageKey = event.Records[0].s3.object.key;

  // Define the destination bucket
  const destinationBucket = "tecfSION-dest-bkt";

  try {
    // Fetch the image from S3
    const getObjectParams = {
      Bucket: sourceBucket,
      Key: imageKey,
    };
    const getObjectCommand = new GetObjectCommand(getObjectParams);
    const s3Object = await s3.send(getObjectCommand);

    // Convert the image to 256x256 using Jimp
  }
}
```

The bottom of the editor shows tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, PORTS, and COMMENTS. The TERMINAL tab is active, displaying command-line output:

```
PS C:\Users\HP\Desktop\TechfusionDemo\Lambda-Handson> cd nodejs
PS C:\Users\HP\Desktop\TechfusionDemo\Lambda-Handson\nodejs> npm install
```

The status bar at the bottom shows "Ln 11, Col 3" and other system information like battery level (74°F Partly cloudy) and network connection.

**Clone a github repository in your laptop
Create a seperate folder for “nodejs” and install node
modules with commande ‘npm install’**

**Change the region and the name of
the destination bucket**

Check the region in the AWS console

Lambda-Handson

New Sort View ...

This PC > Local Disk (C:) > Users > HP > Desktop > TechfusionDemo > Lambda-Handson >

Search Lambda-Handson

| | Name | Date modified | Type | Size |
|------------|--|-----------------------|------|------|
| .git | 29-09-2024 11:21 | File folder | | |
| nodejs | 04-10-2024 22:22 | File folder | | |
| .gitignore | Date created: 29-09-2024 11:21 Size: 31.7 MB Folders: node_modules Files: package, package-lock, README | Git Ignore Source ... | 1 KB | |
| index | | JavaScript Source ... | 3 KB | |

Home OneDrive Desktop Pictures Downloads Documents Music Videos Screenshots Documents TechfusionDemo ASSIGNMENTS

This PC Local Disk (C:) Network

4 items

75°F Partly cloudy

Search

22:23 04-10-2024 ENG IN

Lambda-Handson X +

New Sort View ...

This PC > Local Disk (C:) > Users > HP > Desktop > TechfusionDemo > Lambda-Handson >

Search Lambda-Handson

| | Name | Date modified | Type | Size |
|-----------|------------|------------------|-----------------------|-----------|
| OneDrive | .git | 29-09-2024 11:21 | File folder | |
| Desktop | nodejs | 04-10-2024 22:22 | File folder | |
| Pictures | .gitignore | 29-09-2024 11:21 | Git Ignore Source ... | 1 KB |
| Downloads | index | 04-10-2024 18:06 | JavaScript Source ... | 3 KB |
| Documents | nodejs | 04-10-2024 22:24 | Compressed (zipp...) | 16,154 KB |

Home OneDrive Desktop Pictures Downloads Documents Music Videos Screenshots Documents TechfusionDemo ASSIGNMENTS

This PC Local Disk (C:) Network

5 items

75°F Partly cloudy Search

22:24 ENG IN 04-10-2024

Create a zip of nodejs

tech-image-process | Functions

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/functions/tech-image-process?newFunction=true&tab=code

Services Search [Alt+S] Sydney shreyaskamble

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

Code source Info Upload from ▾

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

Environment Go to Anything (Ctrl-P) index.mjs Environment Var +

tech-image-process index.mjs

```
// Define the destination bucket
const destinationBucket = "tecfSION-dest-bkt";

try {
    // Fetch the image from S3
    const getObjectParams = {
        Bucket: sourceBucket,
        Key: imageKey,
    };
    const getObjectCommand = new GetObjectCommand(getObjectParams);
    const s3Object = await s3.send(getObjectCommand);

    // Convert the image to 256x256 using Jimp
    const imageBuffer = await streamToBuffer(s3Object.Body);
    console.log(imageBuffer);
    const image = await Jimp.read(imageBuffer);

    // Ensure valid values for resize
    const width = 256;
```

Paste the javascript code here

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Breaking news U.S. Hiring Accel... Search

ENG IN 22:24 04-10-2024

tech-image-process | Functions

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/functions/tech-image-process?newFunction=true&tab=configure

Services Search [Alt+S] Sydney shreyaskamble

Successfully updated the function tech-image-process.

ch-image-process

Function URL Info

Code Test Monitor Configuration Aliases Versions

General configuration

Triggers

Permissions

Destinations

Function URL

Environment variables

Tags

VPC

RDS databases

Monitoring and operations

General configuration Info Edit

Description - Memory 128 MB Ephemeral storage 512 MB

Timeout 0 min 3 sec SnapStart Info None

Change the configuration

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Search

22:25 04-10-2024 ENG IN

Edit basic settings | tech-image

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/functions/tech-image-process/edit/basic-settings?tab=configure

Services Search [Alt+S]

Ephemeral storage [Info](#)
You can configure up to 10 GB of ephemeral storage (/tmp) for your function. [View pricing](#)

512 MB

Set memory to between 128 MB and 10240 MB.

SnapStart [Info](#)
Reduce startup time by having Lambda cache a snapshot of your function after the function has initialized. To evaluate whether your function code is resilient to snapshot operations, review the [SnapStart compatibility considerations](#).

None

Supported runtimes: Java 11, Java 17, Java 21.

Timeout
3 min 3 sec

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

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.

techrole

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

Increase the timeout

Cancel Save

Create layer | Layers | Lambda

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/create/layer

Services Search [Alt+S]

S Sydney shreyaskamble

Layer configuration

Name: tech_layer

Description - optional: Description

Upload a .zip file
 Upload a file from Amazon S3

Upload

For files larger than 10 MB, consider uploading using Amazon S3.

Compatible architectures - optional [Info](#)
Choose the compatible instruction set architectures for your layer.
 x86_64
 arm64

Compatible runtimes - optional [Info](#)
Choose up to 15 runtimes.
Runtimes: Node.js 20.x [X](#)

License - optional [Info](#)

Create

Create a layer

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Search

22:26 04-10-2024 ENG IN

Functions | Lambda

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/functions

Services Search [Alt+S] Services Sydney shreyaskamble

Lambda

Dashboard Applications Functions Additional resources Code signing configurations Event source mappings Layers Replicas Related AWS resources Step Functions state machines

Lambda > Functions

Functions (1)

Last fetched 16 seconds ago

Actions Create function

Filter by tags and attributes or search by keyword

| <input type="checkbox"/> | Function name | Description | Package type | Runtime | Last modified |
|--------------------------|------------------------------------|-------------|--------------|--------------|----------------|
| <input type="checkbox"/> | tech-image-process | - | Zip | Node.js 20.x | 14 minutes ago |

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1 75°F Partly cloudy Search ENG IN 22:39 04-10-2024

▼ Function overview [Info](#)

[Export to Application Composer](#) [Download ▾](#)

[Diagram](#) [Template](#)

 tech-image-process

 Layers (0)

[+ Add trigger](#) [+ Add destination](#)

Description
-

Last modified
14 minutes ago

Function ARN
 arn:aws:lambda:ap-southeast-2:476114140624:function:tech-image-process

Function URL [Info](#)

-

| Code | Test | Monitor | Configuration | Aliases | Version |
|------|------|---------|---------------|---------|---------|
|------|------|---------|---------------|---------|---------|

Code source Info

Upload from ▾

tech-image-process | Functions

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/functions/tech-image-process?tab=code

Services Search [Alt+S]

Sydney shreyaskamble

Code properties Info

| | | |
|------------------------|---|---------------------------------|
| Package size 1.1 kB | SHA256 hash hBcgmzS2LtRuFpSI5TIff0KgWKYn8GvVikf3p1teaok= | Last modified 14 minutes ago |
|------------------------|---|---------------------------------|

Runtime settings Info

| | | |
|-------------------------|--|--|
| Runtime Node.js 20.x | Handler <small>Info</small> index.handler | Architecture <small>Info</small> x86_64 |
|-------------------------|--|--|

▶ Runtime management configuration

Layers Info

| Merge order | Name | Layer version | Compatible runtimes | Compatible architectures | Version ARN |
|------------------------------|------|---------------|---------------------|--------------------------|-------------|
| There is no data to display. | | | | | |



Add layer | Lambda

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/add/layer?function=tech-image-process

Services Search [Alt+S] Services Search [Alt+S]

Lambda Add layer

Add layer

Function runtime settings

| | |
|--------------|--------------|
| Runtime | Architecture |
| Node.js 20.x | x86_64 |

Choose a layer

Layer source [Info](#)

Choose from layers with a compatible runtime and instruction set architecture or specify the Amazon Resource Name (ARN) of a layer version. You can also [create a new layer](#).

AWS layers
Choose a layer from a list of layers provided by AWS.

Custom layers
Choose a layer from a list of layers created by your AWS account or organization.

Specify an ARN
Specify a layer by providing the ARN.

Custom layers

Layers created by your AWS account or organization that are compatible with your function's runtime.

tech_layer

Version

1

Cancel Add

Add layer to the lambda function

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Search

tech-image-process | Functions

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/functions/tech-image-process?tab=code

Services Search [Alt+S] Sydney shreyaskamble

Successfully updated the function tech-image-process.

Lambda > Functions > tech-image-process

tech-image-process

Throttle Copy ARN Actions ▾

Export to Application Composer Download ▾

Function overview Info

Diagram Template

tech-image-process

Layers (1)

+ Add trigger + Add destination

Description

Last modified 50 seconds ago

Function ARN arn:aws:lambda:ap-southeast-2:476114140624:function:tech-image-process

Function URL Info

Code Test Monitor Configuration Aliases Versions

Code source Info Upload from ▾

File Edit Find View Go Tools Window Test Deploy

https://ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/add/relation?type=trigger&targetType=lambda&target=arn:aws:lambda:ap-southeast-2:476114140624:function:tech-image-process

Breaking news U.S. Hiring Accelerator

Search

22:41 04-10-2024 ENG IN

Add triggers | Lambda

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/add/relation?focus=aws%2Flambda&target=arn%3Aaws%3Alambda%3Aap-southeast-2%3A476114140624%3Af...

Services Search [Alt+S]

Lambda > Add triggers

Add trigger

Trigger configuration [Info](#)

Select a source

Q s3 X

Batch/bulk data processing

S3 aws asynchronous storage

Cancel Add

Add Trigger

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22:41 ENG IN 04-10-2024

Add triggers | Lambda

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/add/relation?focus=aws%2Flambda&target=arn%3Aaws%3Alambda%3Aap-southeast-2%3A476114140624%3Af...

Services Search [Alt+S] Sydney shreyaskamble

Lambda > Add triggers

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.

techfusion-dest-bkt [C](#)

techfusion-src-bkt

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.
 e.g. .ipa

Choose the source bucket

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Add triggers | Lambda

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/add/relation?focus=aws%2Flambda&target=arn%3Aaws%3Alambda%3Aap-southeast-2%3A476114140624%3Af...

Services Search [Alt+S]

Bucket region: ap-southeast-2

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 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.

e.g. .jpg

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.

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

Cancel Add

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Search

tech-image-process | Functions

ap-southeast-2.console.aws.amazon.com/lambda/home?region=ap-southeast-2#/functions/tech-image-process?tab=configure

The trigger techfusion-src-bkt was successfully added to function tech-image-process. The function is now receiving events from the trigger.

Function overview

Description

Last modified
1 minute ago

Function ARN
arn:aws:lambda:ap-southeast-2:476114140624:function:tech-image-pr
ocess

Function URL [Info](#)

Diagram

Template

S3

+ Add destination

+ Add trigger

Code | **Test** | **Monitor** | **Configuration** | **Aliases** | **Versions**

General configuration

Triggers

Permissions

Destinations

Function URL

Environment variables

Tags

VPC

Triggers (1) [Info](#)

Find triggers

Trigger

S3: techfusion-src-bkt
arn:aws:s3:::techfusion-src-bkt

Details

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Search

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techfusion-src-bkt - S3 bucket | + ap-southeast-2.console.aws.amazon.com/s3/buckets/techfusion-src-bkt?region=ap-southeast-2&bucketType=general&tab=objects

Services Search [Alt+S] Sydney shreyaskamble

Amazon S3

Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight 7

AWS Marketplace for S3

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NASDAQ +0.79% 22:42 04-10-2024 ENG IN

Upload the image to the source bucket

Amazon S3 > Buckets > techfusion-src-bkt

techfusion-src-bkt Info

Objects Properties Permissions Metrics Management Access Points

Objects (0) Info

C 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 > Settings

| Name | Type | Last modified | Size | Storage class |
|--|------|---------------|------|---------------|
| No objects You don't have any objects in this bucket. | | | | |

Upload

techfusion-dest-bkt - S3 bucket

ap-southeast-2.console.aws.amazon.com/s3/buckets/techfusion-dest-bkt?region=ap-southeast-2&bucketType=general&tab=objects

Services Search [Alt+S] Sydney shreyaskamble

Amazon S3 > Buckets > techfusion-dest-bkt

techfusion-dest-bkt Info

Objects Properties Permissions Metrics Management Access Points

Objects (1) Info

C Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

Objects are 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

| <input type="checkbox"/> | Name | Type | Last modified | Size | Storage class |
|--------------------------|--------------------------|--------|---------------|------|---------------|
| <input type="checkbox"/> | resized/ | Folder | - | - | - |

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USD/EUR +0.64% 22:46 04-10-2024

Search

techfusion-dest-bkt - S3 bucket

ap-southeast-2.console.aws.amazon.com/s3/buckets/techfusion-dest-bkt?region=ap-southeast-2&bucketType=general&prefix=resized/&showversions=false

Services Search [Alt+S] Sydney shreyaskamble

Amazon S3 > Buckets > techfusion-dest-bkt > resized/

resized/

Copy S3 URI

Objects Properties

Objects (1) Info

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"/> | Image.jpeg | jpeg | October 4, 2024, 22:46:14 (UTC+05:30) | 123.1 KB | Standard |

Resized image is stored in the destination bucket

https://ap-southeast-2.console.aws.amazon.com/s3/object/techfusion-dest-bkt?region=ap-southeast-2&bucketType=general&prefix=resized/Image.jpeg

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USD/EUR +0.64% 22:46 04-10-2024

Search

ENG IN