

aws

Services

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Amazon S3 > Buckets

▼ Account snapshot

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

View Storage Lens dashboard

Total storage

Object count

Average object size

You can enable advanced metrics in the "default-account-dashboard" configuration.

General purpose buckets

Directory buckets

General purpose buckets (1) [Info](#)

Refresh

Copy ARN

Empty

Delete

Create bucket

Find buckets by name

Name	AWS Region	Access	Creation date
garry11	US East (N. Virginia) us-east-1	Objects can be public	March 7, 2024, 17:44:00 (UTC+05:30)



AWS Policy Generator

The AWS Policy Generator is a tool that enables you to create policies that control access to [Amazon Web Services \(AWS\)](#) products and resources. For more information about creating policies, see [key concepts in Using AWS Identity and Access Management](#). Here are [sample policies](#).

Step 1: Select Policy Type

A Policy is a container for permissions. The different types of policies you can create are an [IAM Policy](#), an [S3 Bucket Policy](#), an [SNS Topic Policy](#), a [VPC Endpoint Policy](#), and an [SQS Queue Policy](#).

Select Type of Policy S3 Bucket Policy

Step 2: Add Statement(s)

A statement is the formal description of a single permission. See a [description of elements](#) that you can use in statements.

Effect ☒ Allow ☐ Deny

Principal
Use a comma to separate multiple values.

AWS Service Amazon S3 ☐ All Services ("*")
Use multiple statements to add permissions for more than one service.

Actions -- Select Actions -- ☐ All Actions ("*")

Amazon Resource Name (ARN)

ARN should follow the following format: arn:aws:s3:::{BucketName}/{KeyName}.
Use a comma to separate multiple values.

[Add Conditions \(Optional\)](#)

[Add Statement](#)

You added the following statements. Click the button below to Generate a policy.

Step 3: Generate Policy

A *policy* is a document (written in the [Access Policy Language](#)) that acts as a container for one or more statements.

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Amazon S3 > Buckets > garry11 > Edit bucket policy

Edit bucket policy

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Policy examples

Policy generator

Bucket ARN

arn:aws:s3::garry11

Policy

```
1 {
2   "Id": "Policy1709814078686",
3   "Version": "2012-10-17",
4   "Statement": [
5     {
6       "Sid": "Stmt1709813853080",
7       "Action": [
8         "s3:GetBucketPolicy"
9       ],
10      "Effect": "Allow",
11      "Resource": "arn:aws:s3:::garry11",
12      "Principal": "*"
13    }
14  ]
15 }
```

Edit statement

Select a statement

Select an existing statement in the policy or add a new statement.

+ Add new statement

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Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting

☐ Disable

☒ Enable

Hosting type

☒ Host a static website

Use the bucket endpoint as the web address. [Learn more](#)

☐ Redirect requests for an object

Redirect requests to another bucket or domain. [Learn more](#)

For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#)

Index document

Specify the home or default page of the website.

contactus.html

Error document - optional

This is returned when an error occurs.

error.html

Redirection rules - optional

Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)

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website

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Successfully edited static website hosting.

Amazon S3 > Buckets > garry11

garry11

Objects

Properties

Permissions

Metrics

Management

Access Points

Bucket overview

AWS Region

US East (N. Virginia) us-east-1

Amazon Resource Name (ARN)

arn:aws:s3::garry11

Creation date

March 7, 2024, 17:44:00 (UTC+05:30)

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Bucket Versioning

Enabled

Multi-factor authentication (MFA) delete

An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

Disabled

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DynamoDB > Tables > Create table

Create table

Table details

DynamoDB is a schemaless database that requires only a table name and a primary key when you create the table.

Table name

This will be used to identify your table.

serverless-dynamo

Between 3 and 255 characters, containing only letters, numbers, underscores (_), hyphens (-), and periods (.).

Partition key

The partition key is part of the table's primary key. It is a hash value that is used to retrieve items from your table and allocate data across hosts for scalability and availability.

Email ID

String

1 to 255 characters and case sensitive.

Sort key - optional

You can use a sort key as the second part of a table's primary key. The sort key allows you to sort or search among all items sharing the same partition key.

Enter the sort key name

String

1 to 255 characters and case sensitive.

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DynamoDB

Dashboard

Tables

Explore items

PartiQL editor

Backups

Exports to S3

Imports from S3

Integrations New

Reserved capacity

Settings

DAX

Clusters

Subnet groups

Parameter groups

Events

The serverless-dynamo table was created successfully.

DynamoDB > Tables

Tables (1/1) Info

Find tables by table name

Any tag key

Any tag value

< 1 >

	Name	Status	Partition key	Sort key	Indexes	Deletion protection	Read capacity mode	Write capacity mode
<input checked="" type="checkbox"/>	serverless-dynamo	Active	Email ID (S)	-	0	Off	Provisioned (5)	Provisioned (5)

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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

Function name

Enter a name that describes the purpose of your function.

serverless-dynamo-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.

Python 3.12

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.

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

CloudShell

Feedback

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

serverless-dynamo-function

Throttle Copy ARN Actions

Function overview Info

Export to Application Composer Download

Diagram Template

serverless-dynamo-function

Layers (0)

+ Add trigger + Add destination

Description

Last modified 15 seconds ago

Function ARN `arn:aws:lambda:us-east-1:14316757424:1:function:serverless-dynamo-function`

Function URL [Info](#)

Code Test Monitor Configuration Aliases Versions

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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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[Learn more](#)

Start tutorial

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Successfully created the function **serverless-dynamo-function**. 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

```
1 import boto3
2
3 dynamodb = boto3.client('dynamodb')
4
5 def lambda_handler(event, context):
6     first_name = event['first_name']
7     last_name = event['last_name']
8     email_id = event['email_id']
9     message = event['message']
10
11     dynamodb.put_item(
12         TableName = 'serverless-dynamo',
13         Item = {
14             'first_name': {'S': first_name},
15             'last_name': {'S': last_name},
16             'email_id': {'S': message}
17         })
18     print(email_id)
```

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The test event **testing1** was successfully saved.

Test event Info

Delete Save Test

To invoke your function without saving an event, modify the event, then choose Test. Lambda uses the modified event to invoke your function, but does not overwrite the original event until you choose Save changes.

Test event action

☐ Create new event ☒ Edit saved event

Event name

testing1

Event JSON

Format JSON

```
1 {
2   "first_name": "Gaurav",
3   "last_name": "Kothavade",
4   "email_id": "official.gauravkothavade@gmail.com",
5   "message": "Hello"
6 }
```

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DynamoDB X

Dashboard
Tables
Explore items
 PartiQL editor
Backups
Exports to S3
Imports from S3
Integrations **New**
Reserved capacity
Settings

▼ DAX
Clusters
Subnet groups
Parameter groups
Events

Selected items have been deleted successfully.

DynamoDB > Explore items > serverless-dynamo

Tables (1) X

Any tag key
Any tag value
Find tables by table name

serverless-dynamo

serverless-dynamo Autopreview View table details

► Scan or query items
Expand to query or scan items.

Completed. Read capacity units consumed: 0.5 X

Items returned (1) Refresh Actions Create item

1

<input type="checkbox"/>	Email ID (String)	First Name	Last Name	Message
<input type="checkbox"/>	official.gauravkothava...	Gaurav	Kothavade	Hello

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API Gateway X

APIs
Custom domain names
VPC links

▼ API: serverless-api
Resources
Stages
Authorizers
Gateway responses
Models
Resource policy
Documentation
Dashboard
API settings

Usage plans
API keys
Client certificates
Settings

Successfully created resource '/serverlessapires'

API Gateway > APIs > Resources - serverless-api (xg8c2xjs9)

Resources API actions Deploy API

Create resource

/

/serverlessapires

OPTIONS

Resource details Delete Update documentation Enable CORS

Path /serverlessapires Resource ID m8ghqk

Methods (1) Delete Create method

Method type	Integration type	Authorization	API key
<input type="radio"/> OPTIONS	Mock	None	Not required

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API Gateway X

APIs
Custom domain names
VPC links

▼ API: serverless-api
Resources
Stages
Authorizers
Gateway responses
Models
Resource policy
Documentation
Dashboard
API settings

Usage plans
API keys
Client certificates
Settings

Successfully created method 'POST' in 'serverlessapires'.

API Gateway > APIs > Resources - serverless-api (xg8c2xjs9)

Resources API actions Deploy API

Create resource

/

/serverlessapires

OPTIONS

POST

/serverlessapires - POST - Method execution Update documentation Delete

ARN arn:aws:execute-api:us-east-1:143167574241:xg8c2xjs9/*/POST/serverlessapires Resource ID m8ghqk

Client → Method request → Integration request → Lambda integration
← Method response ← Integration response ←

Method request Integration request Integration response Method response Test

Method request settings Edit

API Gateway

Create resource

/

/serverlessapires

OPTIONS

POST

Request body

```
1 {
2   "first_name": "Gaurav",
3   "last_name": "Kothavade",
4   "email_id": "official.gauravkothavade@gmail.com",
5   "message": "Hello"
6 }
7
8
```

Test

DynamoDB

serverless-dynamo

Tables (1)

Any tag key

Any tag value

Find tables by table name

serverless-dynamo

serverless-dynamo

Scan or query items

Expand to query or scan items.

Completed. Read capacity units consumed: 0.5

Items returned (2)

	Email ID (String)	First Name	Last Name	Message
<input type="checkbox"/>	official.gauravkothava...	Gaurav	Kothavade	Hello
<input type="checkbox"/>	amolkanchar02@gma...	Amol	Kanchar	Hello World

Amazon S3

Buckets

garry11

Upload

Upload

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 folder](#).

Files and folders (1 Total, 2.1 KB)

All files and folders in this table will be uploaded.

Find by name

	Name	Folder	Type
<input type="checkbox"/>	contactus.html	-	text/html

Destination

Destination

s3://garry11

Destination details

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

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Grant public access and access to other AWS accounts.

Access control list (ACL)

Grant basic read/write permissions to other AWS accounts. [Learn more](#)

1

AWS recommends using S3 bucket policies or IAM policies for access control. [Learn more](#)

Access control list (ACL)

☒ Choose from predefined ACLs

☐ Specify individual ACL permissions

Predefined ACLs

☐ Private (recommended)
Only the object owner will have read and write access.

☒ Grant public-read access
Anyone in the world will be able to access the specified objects. The object owner will have read and write access. [Learn more](#)

Warning

Granting public-read access is not recommended
Anyone in the world will be able to access the specified objects. [Learn more](#)

☒ I understand the risk of granting public-read access to the specified objects.

► Properties
Specify storage class, encryption settings, tags, and more.

CancelUpload

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Upload succeeded
View details below.

Upload: status

Close

1

The information below will no longer be available after you navigate away from this page.

Summary

Destination s3://garry11	Succeeded ✔ 1 file, 2.1 KB (100.00%)	Failed ✖ 0 files, 0 B (0%)
-----------------------------	---	-------------------------------

Files and folders

Configuration

Files and folders (1 Total, 2.1 KB)

Find by name

< 1 >

Name	Folder	Type	Size	Status	Error
contactus.ht...	-	text/html	2.1 KB	✔ Succeeded	-