

AWS Lambda

Team Emertxe



AWS Lambda

Introduction

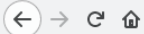


- Run code without provisioning or managing servers
- Run code in response to triggers such as S3 upload, DynamoDB updates, Kinesis streams, and API Gateway requests
- You may even call it directly from any web or mobile app
- Supports good variety of programming languages like Node.js, Python, Java, Go ...

AWS Lambda Creation - CloudWatch

File Edit View History Bookmarks Tools Help

AWS Management Console X +



https://ap-south-1.console.aws.amazon.com/console/home?region=ap-south-1#

Search



Services Resource Groups

Syed Adil Mumbai Support

AWS Management Console

AWS services

Find Services

You can enter names, keywords or acronyms.

Example: Relational Database Service, database, RDS

All services

Compute

EC2
Lightsail
ECR
ECS
EKS
Lambda
Batch
Elastic Beanstalk
Serverless Application Repository

Storage

S3
EFS
FSx
S3 Glacier
Storage Gateway
AWS Backup

Database

RDS
DynamoDB

Developer Tools

CodeStar
CodeCommit
CodeBuild
CodeDeploy
CodePipeline
Cloud9
X-Ray

Robotics

AWS RoboMaker

Blockchain

Amazon Managed Blockchain

Satellite

Ground Station

Management & Governance

AWS Organizations
CloudWatch
AWS Auto Scaling

Machine Learning

Amazon SageMaker
Amazon Comprehend
AWS DeepLens
Amazon Lex
Machine Learning
Amazon Polly
Rekognition
Amazon Transcribe
Amazon Translate
Amazon Personalize
Amazon Forecast
Amazon Textract
AWS DeepRacer

Analytics

Athena
EMR
CloudSearch
Elasticsearch Service
Kinesis
QuickSight

Mobile

AWS Amplify
Mobile Hub
AWS AppSync
Device Farm

AR & VR

Amazon Sumerian

Application Integration

Step Functions
Amazon MQ
Simple Notification Service
Simple Queue Service
SWF

Customer Engagement

Amazon Connect
Pinpoint
Simple Email Service

Business Applications

Access resources on the go



Access the Management Console using the AWS Console Mobile App. [Learn more](#)

Explore AWS

Run Serverless Containers with AWS Fargate

AWS Fargate runs and scales your containers without having to manage servers or clusters. [Learn more](#)

AWS Marketplace

Find, buy, and deploy popular software products that run on AWS. [Learn more](#)

Visit AWS around the world at a Summit

AWS Global Summits bring the cloud computing community together to connect, collaborate, and learn about AWS. [Learn more](#)

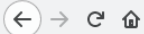
Amazon SageMaker

Machine learning for every developer and data scientist. [Learn more](#)

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Alexa for Business

Alexa for Business Provides Tools to Manage Alexa in Your Organization

Amazon Chime

Amazon Chime is a communications service that transforms online meetings

Amazon Comprehend

Analyze Unstructured Text

Amazon Connect

Amazon Connect is a contact center that enables engagement at any scale.

Amazon DocumentDB

Fully-managed MongoDB-compatible database service

Amazon Forecast

Amazon Forecast is a fully-managed service for accurate time-series forecasting

Amazon FreeRTOS

Amazon FreeRTOS is an IoT Operating System for Microcontrollers

Amazon GameLift

Deploy and Scale Session-based Multiplayer Games

Amazon Lex

Build Voice and Text Chatbots

Amazon Macie

Amazon Macie classifies and secures your business-critical content.

Amazon Managed Blockchain

Easily create and manage scalable blockchain networks

Amazon MQ

Managed message broker service for Apache ActiveMQ

Amazon Personalize

DynamoDB

CloudWatch

AWS Auto Scaling

QuickSight

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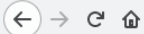
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Q Lam X

Lambda
Run Code without Thinking about Servers

Amazon Lex
Build Voice and Text Chatbots

CodeBuild
Build and Test Code

IoT 1-Click
Trigger AWS Lambda functions from simple devices

EKS
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Serverless Application Repository

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COMPUTE

AWS Lambda

lets you run code without thinking about servers.

You pay only for the compute time that you consume — there is no charge when your code is not running. With Lambda, you can run code for virtually any type of application or backend service, all with zero administration.

Get started

Author a Lambda function from scratch, or choose from one of many preconfigured examples.

Create a function

How it works

Run

Next: Lambda responds to events

```
1 exports.handler = (event, context, callback) => {  
2   // Succeed with the string "Hello world!"  
3   callback(null, 'Hello world!');  
4 };
```

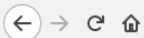
Just write the code

Above is a simple Node.js Lambda function. Try changing callback values and then run the function before going to the next step.

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https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/create?firstrun=true



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Support

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.



Browse serverless app repository

Deploy a sample Lambda application from the AWS Serverless Application Repository.



Basic information

Function name

Enter a name that describes the purpose of your function.

myFunctionName

Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime [Info](#)

Choose the language to use to write your function.

Node.js 10.x

Permissions [Info](#)

Lambda will create an execution role with permission to upload logs to Amazon CloudWatch Logs. You can configure and modify permissions further when you add triggers.

► Choose or create an execution role

Cancel

Create function

AWS Lambda Creation

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Basic information

Function name

Enter a name that describes the purpose of your function.

MyFirstLambda

Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime [Info](#)

Choose the language to use to write your function.

Node.js 10.x

Permissions [Info](#)

Lambda will create an execution role with permission to upload logs to Amazon CloudWatch Logs. You can configure and modify permissions further when you add triggers.

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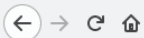
Cancel

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AWS Lambda Creation

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Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/create?firstrun=true

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ServicesResource Groups

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Lambda > Functions > Create function

Create function

Latest supported

.NET Core 2.1 (C#/PowerShell)

Go 1.x

Java 8

Node.js 10.x

Python 3.7

Ruby 2.5

Other supported

.NET Core 1.0 (C#)

Node.js 8.10

Python 2.7

Python 3.6

Custom runtime

Use default bootstrap

Provide your own bootstrap

Node.js 10.x

Permissions

Lambda will create an execution role with permission to upload logs to Amazon CloudWatch Logs. You can configure and modify permissions further when you add triggers.

Choose or create an execution role

Cancel

Create function

Serverless app repository

Create Lambda application from the AWS Serverless Application

AWS Lambda Creation

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Lambda Management Console

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Lambda > Functions > Create function

Create function [Info](#)

Choose a runtime

Latest supported

- .NET Core 2.1 (C#/PowerShell)
- Go 1.x
- Java 8
- Node.js 10.x**
- Python 3.7
- Ruby 2.5

Other supported

- .NET Core 1.0 (C#)
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Serverless app repository

Create Lambda application from the AWS Serverless Application

Permissions [Info](#)

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► Choose or create an execution role

Cancel Create function

AWS Lambda Creation

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Lambda Management Console

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Author from scratch

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Basic information

Function name

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Runtime [Info](#)

Choose the language to use to write your function.

Python 3.7

Permissions [Info](#)

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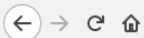
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Create function

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Choose or create an 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 from AWS policy templates

Role creation might take a few minutes. The new role will be scoped to the current function. To use it with other functions, you can modify it in the IAM console.

AWS Lambda Creation

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AWS Lambda

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AWS Lambda Creation

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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 ☐

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Browse serverless app repository ☐

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Basic information

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Create a new role with basic Lambda permissions

Use an existing role

Create a new role from AWS policy templates

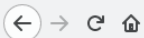
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Choose or create an execution role

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Create a new role with basic Lambda permissions

Role creation might take a few minutes. The new role will be scoped to the current function. To use it with other functions, you can modify it in the IAM console.

Lambda will create an execution role named MyFirstLambda-role-1v8tmlsb, with permission to upload logs to Amazon CloudWatch Logs.

Cancel

Create function



EMERTXE

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Choose or create an 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

Role creation might take a few minutes. The new role will be scoped to the current function. To use it with other functions, you can modify it in the IAM console.

Lambda will create an execution role named MyFirstLambda-role-0ufwrw0s, with permission to upload logs to Amazon CloudWatch Logs.

Cancel

Create function

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?newFunction=true&tab=graph

aws Services Resource Groups

Syed Adil Mumbai Support

✓ Congratulations! Your Lambda function "MyFirstLambda" has been successfully created. You can now change its code and configuration. Choose Test to input a test event when you want to test your function.

Lambda > Functions > MyFirstLambda

ARN - arn:aws:lambda:ap-south-1:325436163766:function:MyFirstLambda

MyFirstLambda

Throttle Qualifiers Actions Select a test event Test Save

Configuration Monitoring

▼ Designer

Add triggers
Choose a trigger from the list below to add it to your function.

- API Gateway
- AWS IoT
- Application Load Balancer
- CloudWatch Events
- CloudWatch Logs
- CodeCommit

MyFirstLambda

Layers (0)

Add triggers from the list on the left

Amazon CloudWatch Logs

Resources that the function's role has access to appear here

Function code [Info](#)

Code entry type: Edit code Inline

Runtime: Python 3.7

Handler: [Info](#) lambda_function.lambda_handler

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?newFunction=true&tab=graph

Search



Services

Resource Groups



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Support

MyFirstLambda

Throttle

Qualifiers

Actions

Select a test event

Test

Save

Environment variables

You can define environment variables as key-value pairs that are accessible from your function code. These are useful to store configuration settings without the need to change function code. [Learn more](#)

Key

Value

Remove

► Encryption configuration

Tags

You can use tags to group and filter your functions. A tag consists of a case-sensitive key-value pair. [Learn more](#)

Key

Value

Remove

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

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.

service-role/MyFirstLambdaRole



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

Basic settings

Description

Memory (MB) [Info](#)

Your function is allocated CPU proportional to the memory configured.

128 MB

Timeout [Info](#)

0 min 3 sec

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?newFunction=true&tab=graph

Search



Services

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MyFirstLambda

Throttle

Qualifiers

Actions

Select a test event

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Save

Environment variables

You can define environment variables as key-value pairs that are accessible from your function code. These are useful to store configuration settings without the need to change function code. [Learn more](#)

Key

Value

Remove

► Encryption configuration

Tags

You can use tags to group and filter your functions. A tag consists of a case-sensitive key-value pair. [Learn more](#)

Key

Value

Remove

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

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.

service-role/MyFirstLambdaRole

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

Basic settings

Description

Memory (MB) [Info](#)

Your function is allocated CPU proportional to the memory configured.

128 MB

Timeout [Info](#)

0 min 3 sec

AWS Lambda Creation

FileEditViewHistoryBookmarksToolsHelp

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?newFunction=true&tab=graph

Search

awsServicesResource Groups

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MyFirstLambda

Use an existing role

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.

service-role/MyFirstLambda-role-0ufwrw0s

View the MyFirstLambda-role-0ufwrw0s role on the IAM console.

Throttle

Qualifiers

Actions

Select a test event

Test

Save

Memory (MB)

Info

Your function is allocated CPU proportional to the memory configured.

128 MB

Timeout

Info

0 min 3 sec

Network

Virtual Private Cloud (VPC)

Info

Choose a VPC for your function to access.

No VPC

Concurrency

Unreserved account concurrency

1000

Use unreserved account concurrency

Reserve concurrency

Debugging and error handling

DLQ resource

Info

Choose the AWS service to send the event payload to after maximum retries are exceeded.

None

Enable active tracing

Info

Auditing and compliance

AWS CloudTrail can log this function's invocations for operational and risk auditing, governance, and compliance. Get started on the CloudTrail console.

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?newFunction=true&tab=graph

Search

Services Resource Groups

Syed Adil Mumbai Support

✓ Congratulations! Your Lambda function "MyFirstLambda" has been successfully created. You can now change its code and configuration. Choose Test to input a test event when you want to test your function.

Lambda > Functions > MyFirstLambda

ARN - arn:aws:lambda:ap-south-1:325436163766:function:MyFirstLambda

MyFirstLambda

Throttle Qualifiers Actions Select a test event Test Save

Configuration Monitoring

▼ Designer

Add triggers
Choose a trigger from the list below to add it to your function.

- API Gateway
- AWS IoT
- Application Load Balancer
- CloudWatch Events
- CloudWatch Logs
- CodeCommit

MyFirstLambda

Layers (0)

Add triggers from the list on the left

Amazon CloudWatch Logs

Resources that the function's role has access to appear here

Function code [Info](#)

Code entry type: Edit code Inline

Runtime: Python 3.7

Handler: [Info](#) lambda_function.lambda_handler

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?newFunction=true&tab=graph

aws Services Resource Groups

Syed Adil Mumbai Support

Lambda > Functions > MyFirstLambda

ARN - arn:aws:lambda:ap-south-1:325436163766:function:MyFirstLambda

MyFirstLambda

Throttle Qualifiers Actions Select a test event Test Save

Configuration Monitoring

▼ Designer

Add triggers
Choose a trigger from the list below to add it to your function.

- API Gateway
- AWS IoT
- Application Load Balancer
- CloudWatch Events
- CloudWatch Logs
- CodeCommit

MyFirstLambda

Layers (0)

Add triggers from the list on the left

Amazon CloudWatch Logs

Resources that the function's role has access to appear here

Function code [Info](#)

Code entry type: Edit code Inline

Runtime: Python 3.7

Handler: [Info](#) lambda_function.lambda_handler

File Edit Find View Go Tools Window

MyFirstLambda lambda_function

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

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MyFirstLambda

Function code [info](#)

Throttle Qualifiers Actions Select a test event Test Save

Code entry type: Edit code Inline Runtime: Python 3.7 Handler: [info](#) lambda_function.lambda_handler

File Edit Find View Go Tools Window

Environment: MyFirstLambda lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     # TODO implement
5     return {
6         'statusCode': 200,
7         'body': json.dumps('Hello from Lambda!')}
8
9
```

9:1 Python Spaces: 4

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Services Resource Groups

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MyFirstLambda

Throttle Qualifiers Actions Select a test event Test Save

Function code [info](#)

Code entry type: Edit code Inline

Runtime: Python 3.7

Handler: [info](#) lambda_function.lambda_handler

File Edit Find View Go Tools Window

Environment

- MyFirstLambda
 - lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     # TODO implement
5     return {
6         'statusCode': 200,
7         'body': json.dumps('Hello from Lambda!')
8     }
9
```

9:1 Python Spaces: 4

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

Environment
MyFirstLambda
lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     # TODO implement
5     return {
6         'statusCode': 200,
7         'body': json.dumps('Hello from Lambda!')
8     }
9
```

9:1 Python Spaces: 4

Execution Result

Execution results

No execution results yet

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

File Edit Find View Go Tools Window Save Test

Environment
MyFirstLambda
lambda_function.py

lambda_function

```
1 import json
2
3 def lambda_handler(event, context):
4     # TODO implement
5     return {
6         'statusCode': 200,
7         'body': json.dumps('Hello from Lambda!')}
8
9
```

(165 Bytes) 9:1 Python Spaces: 4

Execution Result

Execution results

No execution results yet

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console X +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

Environment
MyFirstLambda
lambda_function.py

lambda_function x

1

1:1 Python Spaces: 4

Execution Result x

Execution results

No execution results yet

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

Environment
MyFirstLambda
lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '+': event['number1'] + event['number2'],
6         '-': event['number1'] - event['number2'],
7         '/': event['number1'] / event['number2'],
8         '*': event['number1'] * event['number2']
9     }
10
11     result = switcher.get(event['oper'], "Invalid Operator")
12
13     print(result)
```

13:18 Python Spaces: 4

Execution Result

Execution results

No execution results yet

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window

Save Test

Environment
MyFirstLambda
lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '+': event['number1'] + event['number2'],
6         '-': event['number1'] - event['number2'],
7         '/': event['number1'] / event['number2'],
8         '*': event['number1'] * event['number2']
9     }
10
11     result = switcher.get(event['oper'], "Invalid Operator")
12
13     print(result)
```

13:18 Python Spaces: 4

Execution Result

Execution results

No execution results yet

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window

Save Test

Configure Events Ctrl-J

MyFirstLambda
lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '+': event['number1'] + event['number2'],
6         '-': event['number1'] - event['number2'],
7         '/': event['number1'] / event['number2'],
8         '*': event['number1'] * event['number2']
9     }
10
11     result = switcher.get(event['oper'], "Invalid Operator")
12
13     print(result)
```

13:18 Python Spaces: 4

Execution Result

Execution results

No execution results yet

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window

Save

Test

Environment

MyFirstLambda
lambda_function.py

lambda_function

Configure Events Ctrl-J

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '+': event['number1'] + event['number2'],
6         '-': event['number1'] - event['number2'],
7         '/': event['number1'] / event['number2'],
8         '*': event['number1'] * event['number2']
9     }
10
11     result = switcher.get(event['oper'], "Invalid Operator")
12
13     print(result)
```

13:18 Python Spaces: 4

Execution Result

Execution results

No execution results yet

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

File Edit Find View Go Tools Window Save Test

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '*': event['number1'] * event['num
6         '-': event['number1'] - event['num
7         '/': event['number1'] / event['num
8         '*': event['number1'] * event['num
9     }
10
11     result = switcher.get(event['oper'], '3
12
13     print(result)
```

Execution Result

Execution results

No execution results yet.

Configure test event

A function can have up to 10 test events. The events are persisted so you can switch to another computer or web browser and test your function with the same events.

- ☒ Create new test event
- ☐ Edit saved test events

Event template

Hello World

Event name

MyEventName

```
1 {
2   "key1": "value1",
3   "key2": "value2",
4   "key3": "value3"
5 }
```

13:18 Python Spaces: 4

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '*': event['number1'] * event['num
6         '-': event['number1'] - event['num
7         '/': event['number1'] / event['num
8         '*': event['number1'] * event['num
9     }
10
11     result = switcher.get(event['oper'], '3
12
13     print(result)
```

Configure test event

A function can have up to 10 test events. The events are persisted so you can switch to another computer or web browser and test your function with the same events.

- ☒ Create new test event
- ☐ Edit saved test events

Event template

Hello World

Event name

MyEventName

```
1 {
2   "key1": "value1",
3   "key2": "value2",
4   "key3": "value3"
5 }
```

Execution Result

Execution results

No execution results yet.

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '*': event['number1'] * event['num
6         '-': event['number1'] - event['num
7         '/': event['number1'] / event['num
8         '*': event['number1'] * event['num
9     }
10
11     result = switcher.get(event['oper'], '3
12
13     print(result)
```

Configure test event

A function can have up to 10 test events. The events are persisted so you can switch to another computer or web browser and test your function with the same events.

- ☒ Create new test event
- ☐ Edit saved test events

Event template

Hello World

Event name

TestData

```
1 {
2   "key1": "value1",
3   "key2": "value2",
4   "key3": "value3"
5 }
```

Execution Result

Execution results

No execution results yet.

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '*': event['number1'] * event['num
6         '-': event['number1'] - event['num
7         '/': event['number1'] / event['num
8         '*': event['number1'] * event['num
9     }
10
11     result = switcher.get(event['oper'], '3
12
13     print(result)
```

Execution Result

Execution results

No execution results yet

Configure test event

A function can have up to 10 test events. The events are persisted so you can switch to another computer or web browser and test your function with the same events.

- ☒ Create new test event
- ☐ Edit saved test events

Event template

Hello World

Event name

TestData

```
1 {
2   "key1": "value1",
3   "key2": "value2",
4   "key3": "value3"
5 }
```

13:18 Python Spaces: 4

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '*': event['number1'] * event['num
6         '-': event['number1'] - event['num
7         '/': event['number1'] / event['num
8         '*': event['number1'] * event['num
9     }
10
11     result = switcher.get(event['oper'], '3
12
13     print(result)
```

Configure test event

A function can have up to 10 test events. The events are persisted so you can switch to another computer or web browser and test your function with the same events.

- ☒ Create new test event
- ☐ Edit saved test events

Event template

Hello World

Event name

TestData

```
1 {
2   "key1": "value1",
3   "key2": "value2",
4   "key3": "value3"
5 }
```

Execution Result

Execution results

No execution results yet.

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '*': event['number1'] * event['number2'],
6         '/': event['number1'] / event['number2'],
7         '%': event['number1'] % event['number2'],
8         '+': event['number1'] + event['number2']
9     }
10
11     result = switcher.get(event['oper'], 0)
12
13     print(result)
```

Execution Result

Execution results

No execution results yet

Configure test event

There is an error in your JSON event. Correct it before saving.

A function can have up to 10 test events. The events are persisted so you can switch to another computer or web browser and test your function with the same events.

- Create new test event
- Edit saved test events

Event template

Hello World

Event name

TestData

1

13:18 Python Spaces: 4

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '+': event['number1'] + event['number2'],
6         '-': event['number1'] - event['number2'],
7         '/': event['number1'] / event['number2'],
8         '*': event['number1'] * event['number2'],
9     }
10
11     result = switcher.get(event['oper'], 'Invalid operation')
12
13     print(result)
```

Execution Result

Execution results

No execution results yet

Configure test event

A function can have up to 10 test events. The events are persisted so you can switch to another computer or web browser and test your function with the same events.

- ☒ Create new test event
- ☐ Edit saved test events

Event template

Hello World

Event name

TestData

```
1 {
2   "number1": 5,
3   "oper": "+",
4   "number2": 10
5 }
```

13:18 Python Spaces: 4

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console



https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph



Search



File Edit Find View Go Tools Window Save Test

Environment

MyFirstLambda

lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '*': event['number1'] * event['num
6         '-': event['number1'] - event['num
7         '/': event['number1'] / event['num
8         '*': event['number1'] * event['num
9     }
10
11     result = switcher.get(event['oper'], '3
12
13     print(result)
```

Execution Result

Execution results

No execution results yet.

A function can have up to 10 test events. The events are persisted so you can switch to another computer or web browser and test your function with the same events.

- ☒ Create new test event
- ☐ Edit saved test events

Event template

Hello World

Event name

TestData

```
1 {
2   "number1": 5,
3   "oper": "+",
4   "number2": 10
5 }
```

Cancel

Create

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

MyFirstLambda

lambda_function.py

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4     switcher = {
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6         '-': event['number1'] - event['num
7         '/': event['number1'] / event['num
8         '*': event['number1'] * event['num
9     }
10
11     result = switcher.get(event['oper'], '3
12
13     print(result)
```

Execution Result

Execution results

No execution results yet

A function can have up to 10 test events. The events are persisted so you can switch to another computer or web browser and test your function with the same events.

Create new test event

Edit saved test events

Event template

Hello World

Event name

TestData

```
1 {
2   "number1": 5,
3   "oper": "+",
4   "number2": 10
5 }
```

Cancel

Create

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

Environment
MyFirstLambda
lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '+': event['number1'] + event['number2'],
6         '-': event['number1'] - event['number2'],
7         '/': event['number1'] / event['number2'],
8         '*': event['number1'] * event['number2']
9     }
10
11     result = switcher.get(event['oper'], "Invalid Operator")
12
13     print(result)
```

13:18 Python Spaces: 4

Execution Result

Execution results

No execution results yet

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

Environment
MyFirstLambda
lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '+': event['number1'] + event['number2'],
6         '-': event['number1'] - event['number2'],
7         '/': event['number1'] / event['number2'],
8         '*': event['number1'] * event['number2']
9     }
10
11     result = switcher.get(event['oper'], "Invalid Operator")
12
13     print(result)
```

13:18 Python Spaces: 4

Execution Result

Execution results

No execution results yet

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

File Edit Find View Go Tools Window Save Test

Environment
MyFirstLambda
lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '+': event['number1'] + event['number2'],
6         '-': event['number1'] - event['number2'],
7         '/': event['number1'] / event['number2'],
8         '*': event['number1'] * event['number2']
9     }
10
11     result = switcher.get(event['oper'], "Invalid Operator")
12
13     print(result)
```

13:18 Python Spaces: 4

Execution Result

Execution results

No execution results yet

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

Environment
MyFirstLambda
lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '+': event['number1'] + event['number2'],
6         '-': event['number1'] - event['number2'],
7         '/': event['number1'] / event['number2'],
8         '*': event['number1'] * event['number2']
9     }
10
11     result = switcher.get(event['oper'], "Invalid Operator")
12
13     print(result)
```

13:18 Python Spaces: 4

Execution Result

Execution results

Status: Succeeded Max Memory Used: 53 MB Time: 6.15

Response:
null

Request ID:
"024f4ef0-9076-4bcf-83fb-10e0a3138af0"

Function Logs:

START RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Version: \$LATEST

15

END RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0

REPORT RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Duration: 13.07 ms Billed Duration: 100 ms Memory Size: 128 MB Max Memory Used: 53 MB

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search

File Edit Find View Go Tools Window Save Test

Environment
MyFirstLambda
lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '+': event['number1'] + event['number2'],
6         '-': event['number1'] - event['number2'],
7         '/': event['number1'] / event['number2'],
8         '*': event['number1'] * event['number2']
9     }
10
11     result = switcher.get(event['oper'], "Invalid Operator")
12
13     print(result)
```

13:18 Python Spaces: 4

Execution Result

Execution results

Status: Succeeded Max Memory Used: 53 MB Time: 13.07 ms

Response:
null

Request ID:
"024f4ef0-9076-4bcf-83fb-10e0a3138af0"

Function Logs:

START RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Version: \$LATEST

15

END RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0

REPORT RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Duration: 13.07 ms Billed Duration: 100 ms Memory Size: 128 MB Max Memory Used: 53 MB

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

aws Services Resource Groups

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MyFirstLambda

Throttle Qualifiers Actions TestData Test Save

Function code [info](#)

Code entry type: Edit code inline

Runtime: Python 3.7

Handler: [info](#) lambda_function.lambda_handler

File Edit Find View Go Tools Window

Environment: MyFirstLambda, lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         '+': event['number1'] + event['number2'],
6         '-': event['number1'] - event['number2'],
7         '/': event['number1'] / event['number2'],
8         '*': event['number1'] * event['number2']
9     }
10
11     result = switcher.get(event['oper'], "Invalid Operator")
12
13     print(result)
```

13:18 Python Spaces: 4

Execution Result

Execution results Status: Succeeded Max Memory Used: 53 MB Time: 13.07 ms

Response:
null

Request ID:
"024f4ef0-9076-4bcf-83fb-10e0a3138af0"

Function Logs:
START RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Version: \$LATEST
15
END RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0
REPORT RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Duration: 13.07 ms Billed Duration: 100 ms Memory Size: 128 MB Max Memory Used: 53 MB

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?newFunction=true&tab=graph

Search



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Lambda > Functions > MyFirstLambda

ARN - arn:aws:lambda:ap-south-1:325436163766:function:MyFirstLambda

MyFirstLambda

Throttle

Qualifiers

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Execution result: succeeded (logs)

Details

Configuration

Monitoring

Designer

Add triggers

Choose a trigger from the list below to add it to your function.

API Gateway

AWS IoT

Application Load Balancer

CloudWatch Events

CloudWatch Logs

CodeCommit



MyFirstLambda

Saved



Layers

(0)

Add triggers from the list on the left



Amazon CloudWatch Logs

Resources that the function's role has access to appear here

Function code

Info

Code entry type

Edit code inline

Runtime

Python 3.7

Handler

lambda_function.lambda_handler

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

aws Services Resource Groups

Syed Adil Mumbai Support

Lambda > Functions > MyFirstLambda

ARN - arn:aws:lambda:ap-south-1:325436163766:function:MyFirstLambda

MyFirstLambda

Throttle Qualifiers Actions TestData Test Save

✓ Execution result: succeeded (logs) ✕

Details

Configuration Monitoring

▼ Designer

Add triggers
Choose a trigger from the list below to add it to your function.

- API Gateway
- AWS IoT
- Application Load Balancer
- CloudWatch Events
- CloudWatch Logs
- CodeCommit

MyFirstLambda
✓ Saved

Layers (0)

Add triggers from the list on the left

Amazon CloudWatch Logs

Resources that the function's role has access to appear here

Function code [Info](#)

Code entry type Runtime Handler [Info](#)

Edit code inline Python 3.7 lambda.function.lambda.handler

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search



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Support

Lambda > Functions > MyFirstLambda

ARN - arn:aws:lambda:ap-south-1:325436163766:function:MyFirstLambda

MyFirstLambda

Throttle

Qualifiers

Actions

TestData

Test

Save

Execution result: succeeded (logs)

Details

The section below shows the result returned by your function execution.

null

Summary

Code SHA-256

KYfc8UI14jZIIREb5RfsEENBvyrl6ZMQqv/xpGiloZM=

Duration

13.07 ms

Resources configured

128 MB

Request ID

024f4ef0-9076-4bcf-83fb-10e0a3138af0

Billed duration

100 ms

Max memory used

53 MB

Log output

The section below shows the logging calls in your code. These correspond to a single row within the CloudWatch log group corresponding to this Lambda function. [Click here](#) to view the CloudWatch log group.

START RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Version: \$LATEST

15

END RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0

REPORT RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Duration: 13.07 ms Billed Duration: 100 ms Memory Size: 128 MB Max Memory Used: 53 MB

Configuration

Monitoring

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AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search



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Support

Lambda > Functions > MyFirstLambda

ARN - arn:aws:lambda:ap-south-1:325436163766:function:MyFirstLambda

MyFirstLambda

Throttle

Qualifiers

Actions

TestData

Test

Save

Execution result: succeeded (logs)

Details

The section below shows the result returned by your function execution.

null

Summary

Code SHA-256

KYfc8UI14jZIIREb5RfsEENBvyrl6ZMQqv/xpGiloZM=

Duration

13.07 ms

Resources configured

128 MB

Request ID

024f4ef0-9076-4bcf-83fb-10e0a3138af0

Billed duration

100 ms

Max memory used

53 MB

Log output

The section below shows the logging calls in your code. These correspond to a single row within the CloudWatch log group corresponding to this Lambda function. [Click here](#) to view the CloudWatch log group.

START RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Version: \$LATEST

15

END RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0

REPORT RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Duration: 13.07 ms Billed Duration: 100 ms Memory Size: 128 MB Max Memory Used: 53 MB

Configuration

Monitoring

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AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console CloudWatch Management Console +

https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#logStream:group=/aws/lambda/MyFirstLambda;streamFilter=typeLogS



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Dashboards

Alarms

ALARM

INSUFFICIENT

OK

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Events

Rules

Event Buses

Logs

Insights

Metrics

Favorites

CloudWatch > Log Groups > Streams for /aws/lambda/MyFirstLambda

Search Log Group

Create Log Stream

Delete Log Stream

Filter: Log Stream Name Prefix x

Log Streams 1-1

<input type="checkbox"/>	Log Streams	Last Event Time
<input type="checkbox"/>	2019/05/21/[\$LATEST]55aa09f2fb16496f8cb83cd253fdb1d1	2019-05-21 17:49 UTC+5:30

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console CloudWatch Management Console +

https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#logStream:group=/aws/lambda/MyFirstLambda;streamFilter=typeLogS...

aws Services Resource Groups

CloudWatch > Log Groups > Streams for /aws/lambda/MyFirstLambda

Search Log Group Create Log Stream Delete Log Stream

Filter: Log Stream Name Prefix x

<input type="checkbox"/>	Log Streams	Last Event Time
<input type="checkbox"/>	2019/05/21/[\$LATEST]55aa09f2ff16496f8cb83cd253fdb1d1	2019-05-21 17:49 UTC+5:30

Log Streams 1-1

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console CloudWatch Management Console +

https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#logEventViewer:group=/aws/lambda/MyFirstLambda;stream=2019/05/



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Metrics

Favorites

CloudWatch > Log Groups > /aws/lambda/MyFirstLambda > 2019/05/21/[\$LATEST]55aa09f2fb16496f8cb83cd253fdb1d1

Try CloudWatch Logs Insights

CloudWatch Logs Insights allows you to search and analyze your logs using a new, purpose-built query language. Click [here](#) to experience it. If you want to learn more, read [the AWS blog](#) or visit [our documentation](#).

Expand all

Row

Text



Filter events

all 2019-05-20 (12:19:53)

Time (UTC +00:00)	Message
2019-05-21	
	No older events found at the moment. Retry .
12:19:53	START RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Version: \$LATEST
12:19:53	15
12:19:53	END RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0
12:19:53	REPORT RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Duration: 13.07 ms Billed Duration: 100 ms Memory Size: 128 MB Max Memory Used: 53 MB
	No newer events found at the moment. Retry .

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console CloudWatch Management

https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#logEventViewer:group=/aws/lambda/MyFirstLambda;stream=2019/05/



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Dashboards

Alarms

ALARM

INSUFFICIENT

OK

Billing

Events

Rules

Event Buses

Logs

Insights

Metrics

Favorites

CloudWatch > Log Groups > /aws/lambda/MyFirstLambda > 2019/05/21/[\$LATEST]55aa09f2fb16496f8cb83cd253fdb1d1

Try CloudWatch Logs Insights

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Expand all

Row

Text

Filter events

all 2019-05-20 (12:19:53)

Time (UTC +00:00)	Message
2019-05-21	
	No older events found at the moment. Retry .
12:19:53	START RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Version: \$LATEST
12:19:53	15
12:19:53	END RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0
12:19:53	REPORT RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Duration: 13.07 ms Billed Duration: 100 ms Memory Size: 128 MB Max Memory Used: 53 MB
	No newer events found at the moment. Retry .

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

aws Services Resource Groups

Syed Adil Mumbai Support

Lambda > Functions > MyFirstLambda

ARN - arn:aws:lambda:ap-south-1:325436163766:function:MyFirstLambda

MyFirstLambda

Throttle Qualifiers Actions TestData Test Save

✓ Execution result: succeeded (logs)

▼ Details

The section below shows the result returned by your function execution.

```
null
```

Summary

Code SHA-256	Request ID
KYfc8UI14jZIIREb5RfsEENBvyrl6ZMQqv/xpGiloZM=	024f4ef0-9076-4bcf-83fb-10e0a3138af0
Duration	Billed duration
13.07 ms	100 ms
Resources configured	Max memory used
128 MB	53 MB

Log output

The section below shows the logging calls in your code. These correspond to a single row within the CloudWatch log group corresponding to this Lambda function. [Click here](#) to view the CloudWatch log group.

```
START RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Version: $LATEST
15
END RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0
REPORT RequestId: 024f4ef0-9076-4bcf-83fb-10e0a3138af0 Duration: 13.07 ms Billed Duration: 100 ms Memory Size: 128 MB Max Memory Used: 53 MB
```

Configuration Monitoring

▼ Designer

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +



https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

Search



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MyFirstLambda

Throttle

Qualifiers

Actions

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Configuration

Monitoring

▼ Designer

Add triggers

Choose a trigger from the list below to add it to your function.

API Gateway

AWS IoT

Application Load Balancer

CloudWatch Events

CloudWatch Logs

CodeCommit



MyFirstLambda

✓ Saved



Layers

(0)

Add triggers from the list on the left



Amazon CloudWatch Logs

Resources that the function's role has access to appear here

Function code [Info](#)

Code entry type

Edit code inline

Runtime

Python 3.7

Handler [Info](#)

lambda_function.lambda_handler

File Edit Find View Go Tools Window

Environment
MyFirstLambda
lambda_function.py

lambda_function

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         'number1': event['number1'] + event['number2'],
6         'number2': event['number1'] - event['number2']
7     }
```

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=graph

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Add triggers

Choose a trigger from the list below to add it to your function.

API Gateway

AWS IoT

Application Load Balancer

CloudWatch Events

CloudWatch Logs

CodeCommit



MyFirstLambda

✓ Saved



Layers

(0)

Add triggers from the list on the left



Amazon CloudWatch Logs

Resources that the function's role has access to appear here

Function code

Info

Code entry type

Edit code inline

Runtime

Python 3.7

Handler

Info
lambda_function.lambda_handler

File Edit Find View Go Tools Window

Environment
MyFirstLambda
lambda_function.py

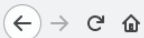
lambda_function

```
1 import json
2
3 def lambda_handler(event, context):
4     switcher = {
5         'number1': event['number1'] + event['number2'],
6         'number2': event['number1'] - event['number2']
7     }
```


AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console X +



https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=monitoring

Search



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Actions

TestData

Test

Save

Code SHA-256

suK4PNuKu5tBNrGepJUODo32pZSdnF6unliQ/y5EVAI=

Duration

8.72 ms

Resources configured

128 MB

Request ID

77767076-c93f-4ca4-8d5e-45fc9526729f

Billed duration

100 ms

Max memory used

52 MB

Log output

The section below shows the logging calls in your code. These correspond to a single row within the CloudWatch log group corresponding to this Lambda function. [Click here](#) to view the CloudWatch log group.

```
START RequestId: 77767076-c93f-4ca4-8d5e-45fc9526729f Version: $LATEST
15
END RequestId: 77767076-c93f-4ca4-8d5e-45fc9526729f
REPORT RequestId: 77767076-c93f-4ca4-8d5e-45fc9526729f  Duration: 8.72 ms      Billed Duration: 100 ms      Memory Size: 128 MB      Max Memory Used: 52 MB
```

Configuration

Monitoring

CloudWatch metrics at a glance

View logs in CloudWatch

View traces in X-Ray

Add to dashboard

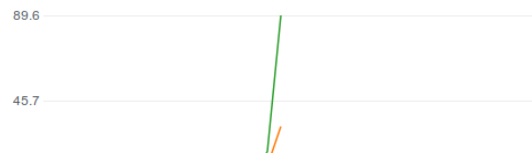
1h 3h 12h 1d 3d 1w



Invocations



Duration



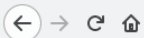
Error count and success rate (%)



AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console



https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=monitoring

Search



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Test

Save

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CloudWatch metrics at a glance

View logs in CloudWatch

View traces in X-Ray

Add to dashboard

1h

3h

12h

1d

3d

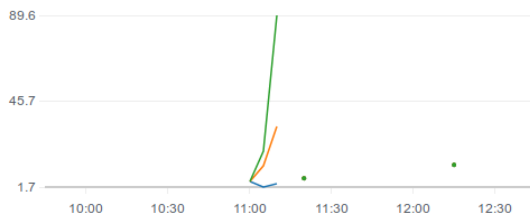
1w



Invocations



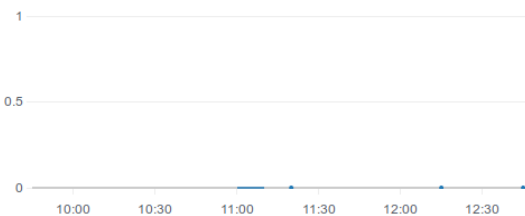
Duration



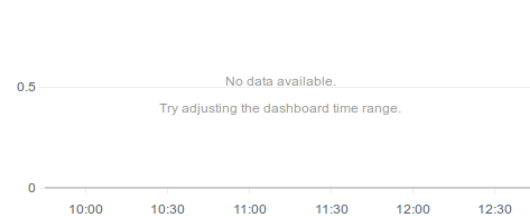
Error count and success rate (%)



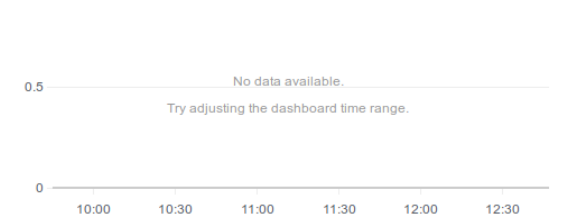
Throttles



IteratorAge



DeadLetterErrors



AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=monitoring

Search



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Support

Lambda > Functions > MyFirstLambda

ARN - arn:aws:lambda:ap-south-1:325436163766:function:MyFirstLambda

MyFirstLambda

Throttle

Qualifiers

Actions

TestData

Test

Save

Execution result: succeeded (logs)

Details

The section below shows the result returned by your function execution.

null

Summary

Code SHA-256

suK4PNuKu5tBNrGepJUODo32pZSdnF6unliQ/y5EVAI=

Duration

8.72 ms

Resources configured

128 MB

Request ID

77767076-c93f-4ca4-8d5e-45fc9526729f

Billed duration

100 ms

Max memory used

52 MB

Log output

The section below shows the logging calls in your code. These correspond to a single row within the CloudWatch log group corresponding to this Lambda function. [Click here](#) to view the CloudWatch log group.

START RequestId: 77767076-c93f-4ca4-8d5e-45fc9526729f Version: \$LATEST

15

END RequestId: 77767076-c93f-4ca4-8d5e-45fc9526729f

REPORT RequestId: 77767076-c93f-4ca4-8d5e-45fc9526729f Duration: 8.72 ms Billed Duration: 100 ms Memory Size: 128 MB Max Memory Used: 52 MB

Configuration

Monitoring

CloudWatch metrics at a glance

View logs in CloudWatch

View traces in X-Ray

AWS Lambda Creation

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Lambda Management Console



https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/MyFirstLambda?tab=monitoring

Search



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Lambda > Functions > MyFirstLambda

ARN - arn:aws:lambda:ap-south-1:325436163766:function:MyFirstLambda

MyFirstLambda

Throttle

Qualifiers

Actions

TestData

Test

Save

Execution result: succeeded (logs)

Details

The section below shows the result returned by your function execution.

null

Summary

Code SHA-256

suK4PNuKu5tBNrGepJUODo32pZSdnF6unIIQ/y5EVAI=

Duration

8.72 ms

Resources configured

128 MB

Request ID

77767076-c93f-4ca4-8d5e-45fc9526729f

Billed duration

100 ms

Max memory used

52 MB

Log output

The section below shows the logging calls in your code. These correspond to a single row within the CloudWatch log group corresponding to this Lambda function. [Click here](#) to view the CloudWatch log group.

START RequestId: 77767076-c93f-4ca4-8d5e-45fc9526729f Version: \$LATEST

15

END RequestId: 77767076-c93f-4ca4-8d5e-45fc9526729f

REPORT RequestId: 77767076-c93f-4ca4-8d5e-45fc9526729f Duration: 8.72 ms Billed Duration: 100 ms Memory Size: 128 MB Max Memory Used: 52 MB

Configuration

Monitoring

CloudWatch metrics at a glance

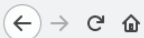
View logs in CloudWatch

View traces in X-Ray

AWS Lambda Creation

File Edit View History Bookmarks Tools Help

Lambda Management Console +



https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions



Search



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Lambda > Functions

Functions (1)



Actions

Create function

Filter by tags and attributes or search by keyword



1



Function name	Description	Runtime	Code size	Last modified
MyFirstLambda		Python 3.7	304 bytes	5 minutes ago

AWS Lambda Creation

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Lambda Management Console +



https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions



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Services

Resource Groups



Syed Adil

Mumbai

Support

Lambda > Functions

Functions (1)



Actions

Create function

Filter by tags and attributes or search by keyword



< 1 >



Function name	Description	Runtime	Code size	Last modified
MyFirstLambda		Python 3.7	304 bytes	5 minutes ago

AWS Lambda Creation

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Example: Relational Database Service, database, RDS

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