

Lambda Launch

Create function [Info](#)

Choose one of the following options to create your function.

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

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

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

Basic information [Info](#)

Blueprint name
Hello world function python3.10
A starter AWS Lambda function.

Function name
Enter a name that describes the purpose of your function.
hello-world
Function name must be 1 to 64 characters, must be unique to the Region, and can't include spaces. Valid characters are a-z, A-Z, 0-9, hyphens (-), and underscores (_).

Runtime
python3.10

Architecture
x86_64

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

Info **Tutorials**

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

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Lambda > Functions > Create function

Execution role

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

Create a new role with basic Lambda permissions

Use an existing role

Create a new role from AWS policy templates

Role creation might take a few minutes. Please do not delete the role or edit the trust or permissions policies in this role.

Lambda will create an execution role named hello-world-role-hgt77zmz, with permission to upload logs to Amazon CloudWatch Logs.

Lambda function code

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

This function contains external libraries.

```
1 import json
2
3 print('Loading function')
4
5
6 def lambda_handler(event, context):
7     #print("Received event: " + json.dumps(event, indent=2))
8     print("value1 = " + event['key1'])
```

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Lambda > Functions > hello-world

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

hello-world

Throttle Copy ARN Actions

Function overview Info

Diagram Template

hello-world

Layers (0)

+ Add trigger

+ Add destination

Description

A starter AWS Lambda function.

Last modified

2 seconds ago

Function ARN

arn:aws:lambda:us-east-2:390844779661:function:hello-world

Function URL Info

-

Export to Infrastructure Composer Download

Code Test Monitor Configuration Aliases Versions

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Lambda > Functions > hello-world

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

Test event Info

CloudWatch Logs Live Tail Save Test

To invoke your function without saving an event, configure the JSON event, then choose Test.

Test event action

Create new event Edit saved event

Event name

simpleevent

Maximum of 25 characters consisting of letters, numbers, dots, hyphens and underscores.

Event sharing settings

Private

This event is only available in the Lambda console and to the event creator. You can configure a total of 10. [Learn more](#)

Shareable

This event is available to IAM users within the same account who have permissions to access and use shareable events. [Learn more](#)

Template - optional

hello-world

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

✔ Executing function: succeeded [logs](#)

▼ Details

The area below shows the last 4 KB of the execution log.

"value1"

Summary

Code SHA-256

gFwj1ffgeHrWt3hNakh8OM7u6MrUvFTvTtYjwQMCGYM=

Request ID

327f5f7b-f076-4f07-b838-7c718a2c5037

Init duration

81.22 ms

Billed duration

6 ms

Max memory used

31 MB

Log output

Execution time

21 seconds ago

Function version

\$LATEST

Duration

5.99 ms

Resources configured

128 MB

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


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Lambda > Functions > hello-world

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

Request ID 327f5f7b-f076-4f07-b838-7c718a2c5037	Function version \$LATEST
Init duration 81.22 ms	Duration 5.99 ms
Billed duration 6 ms	Resources configured 128 MB
Max memory used 31 MB	

Log output

The section below shows the logging calls in your code. [Click here](#) to view the corresponding CloudWatch log group.

```
Loading function
START RequestId: 327f5f7b-f076-4f07-b838-7c718a2c5037 Version: $LATEST
value1 = value1
value2 = value2
value3 = value3
END RequestId: 327f5f7b-f076-4f07-b838-7c718a2c5037
REPORT RequestId: 327f5f7b-f076-4f07-b838-7c718a2c5037  Duration: 5.99 ms    Billed Duration: 6 ms    Memory Size: 128 MB    Max Memory Used: 31 MB    Init Duration: 81.22 ms
```

Info

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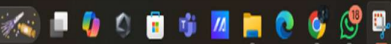
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