

## Serverless hello world

The screenshot shows the 'Create function' page in the AWS Lambda console. The page title is 'Create function' with an 'Info' link. Below the title, it says 'Choose one of the following options to create your function.' There are three main options: 'Author from scratch' (radio button), 'Use a blueprint' (radio button, selected), and 'Browse serverless app repository' (radio button). The 'Use a blueprint' option is highlighted with a blue border. Below these options is a section titled 'Blueprints' with an 'Info' link. It contains a search bar with the text 'Add filter' and a button 'Export'. Below the search bar is a text input field with the value 'Blueprint name : hello-world-python'. Below this is a list of blueprints, with 'hello-world-python' selected and highlighted. The description for this blueprint is 'A starter AWS Lambda function.' The footer of the console shows 'Feedback', 'English (US)', and copyright information for Amazon Web Services.

Services Resource Groups

aws

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.

Blueprints Info

Add filter

Export

Blueprint name : hello-world-python

hello-world-python A starter AWS Lambda function.

Feedback English (US) © 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

The screenshot shows the 'Basic settings' page in the AWS Lambda console. The page title is 'Basic settings' with an 'Info' link. It contains several configuration fields: 'Description - optional' with the value 'A starter AWS Lambda function.', 'Runtime' set to 'Python 3.7', 'Handler' set to 'lambda\_function.lambda\_handler', 'Memory (MB)' set to '128 MB' (with a slider), and 'Timeout' set to '0 min 3 sec'. At the bottom, there is an 'Execution role' section with two radio buttons: 'Use an existing role' (selected) and 'Create a new role from AWS policy templates'. The footer of the console shows 'Feedback', 'English (US)', and copyright information for Amazon Web Services.

Services Resource Groups

aws

Basic settings Info

Description - optional

A starter AWS Lambda function.

Runtime

Python 3.7

Handler Info

lambda\_function.lambda\_handler

Memory (MB)

Your function is allocated CPU proportional to the memory configured.

128 MB

Timeout

0 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

Feedback English (US) © 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

aws

Services ▾ Resource Groups ▾

vocstartsoft/user827300=kolh... ▾ N. Virginia ▾ Support ▾

Handler [Info](#)

lambda\_function.lambda\_handler

Memory (MB)

Your function is allocated CPU proportional to the memory configured.

128 MB

Timeout

0

 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.

service-role/lambda\_basic\_execution ▾

[View the lambda\\_basic\\_execution role](#) on the IAM console.

Cancel

Save

aws

Services ▾ Resource Groups ▾

vocstartsoft/user827300=kolh... ▾ N. Virginia ▾ Support ▾

Lambda > Functions >

hello-world-py

Execution results

[Details](#)

Configuration

Permissions

Execution role

Role name

lambda\_basic\_execution

Resource summary

Amazon CloudWatch

Feedback

English (US)

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

Saved test event

helloworldevent ▾

1

2

3

4

5

[{"key3": "value1", "key2": "value2", "key1": "hello, world!!"}]

function:hello-world-python

Test

Save

×

Edit

View role document

Reserved

Privacy Policy

Terms of Use

aws

Services

Resource Groups

vocstartsoft/user827300-kolh...

N. Virginia

Support

AWS Lambda

×

Dashboard

Applications

Functions

▼ Additional resources

Layers

Lambda > Functions

Functions (1)

Actions

Create function

Filter by tags and attributes or search by keyword

1

< 1 >

	Function name	Description	Runtime	Code size	Last modified
	hello-world-python	A starter AWS Lambda function.	Python 3.7	343 bytes	6 minutes ago

aws

Services

Resource Groups

vocstartsoft/user827300-kolh...

N. Virginia

Support

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

Lambda > Functions > hello-world-python

ARN - arn:aws:lambda:us-east-1:397937916207:function:hello-world-python

hello-world-python

Throttle

Qualifiers

Actions

Select a test event

Test

Save

Configuration

Permissions

Monitoring

▼ Designer

hello-world-python

Layers (0)

+ Add trigger

+ Add destination

Feedback

English (US)

© 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

aws

Services

Resource Groups

vocstartsoft/user827300-kolh...

N. Virginia

Support

Lambda > Functions > hello-world-python

ARN - arn:aws:lambda:us-east-1:397937916207:function:hello-world-python

hello-world-python

Throttle

Qualifiers

Actions

helloworldevent

Test

Save

Configuration

Permissions

Monitoring

▼ Designer

hello-world-python

Layers (0)

+ Add trigger

+ Add destination

Feedback

English (US)

© 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

hello-world-python

ARN - arn:aws:lambda:us-east-1:397937916207:function:hello-world-python

Throttle Qualifiers Actions helloworldevent Test Save

Execution result: succeeded (logs)

Details

The area below shows the result returned by your function execution. [Learn more](#) about returning results from your function.

"hello, world!!"

Summary

Code SHA-256 lz0z220we8A5YsX4ECRyNT5tF7dbcB2a0u5m3skRHlc=	Request ID 8d9af5bc-0c0f-4437-8adc-1ba47be0e92c
Duration 1.30 ms	Billed duration 100 ms
Resources configured 128 MB	Max memory used 48 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](#)

hello-world-python

Throttle Qualifiers Actions helloworldevent Test Save

Execution result: succeeded (logs)

Details

The area below shows the result returned by your function execution. [Learn more](#) about returning results from your function.

"hello, world!!"

Summary

Code SHA-256 lz0z220we8A5YsX4ECRyNT5tF7dbcB2a0u5m3skRHlc=	Request ID b7a99309-7a3e-4c98-ab3c-627205cbf0ee
Duration 1.66 ms	Billed duration 100 ms
Resources configured 128 MB	Max memory used 48 MB Init Duration: 118.71 ms

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: b7a99309-7a3e-4c98-ab3c-627205cbf0ee Version: $LATEST
value1 = hello, world!!
value2 = value2
```

hello-world-python

Throttle Qualifiers Actions helloworldevent Test Save

Environment

- hello-world-python
  - lambda\_function.py

lambda\_function

```
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'])
9     print("value2 = " + event['key2'])
10    print("value3 = " + event['key3'])
11    return event['key1'] # Echo back the first key value
12    #raise Exception('Something went wrong')
13
```

2:1 Python Spaces: 4

Execution Result

Execution results Status: Succeeded Max Memory Used: 48 MB Time: 1.40 ms

Response:

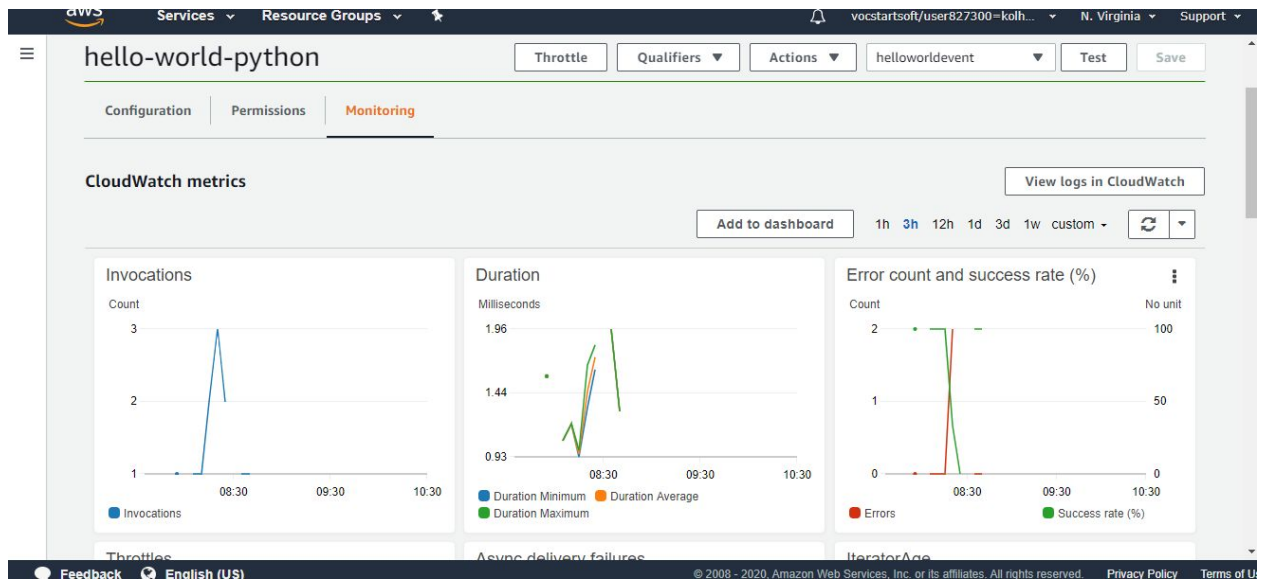
"hello, world!!"

Request ID:

"623aafae-c07b-41a9-8975-f3b47c70c388"

Function logs:

```
START RequestId: 623aafae-c07b-41a9-8975-f3b47c70c388 Version: $LATEST
value1 = hello, world!!
value2 = value2
value3 = value1
```



hello-world-python

Throttle Qualifiers Actions helloworldevent Test Save

CloudWatch Logs Insights [Info](#)

CloudWatch Logs Insights provides a query language for analyzing log entries. The following tables list the most recent and most expensive function invocations.

Add to dashboard 1h 3h 12h 1d 3d 1w custom ↻

Recent invocations

#	Timestamp	RequestID	LogStream	DurationInMS	BilledDurationInMS
1	2020-07-13T08:42:28.884Z	8d9af5bc-0c0f-4437-8adc-1ba47be0e92c	2020/07/13[\$LATEST]e6ffdd89af17464dbc0f57ace10aeb43	1.3	100
2	2020-07-13T08:39:43.584Z	d3440841-ef15-4bef-a405-e88cd9a8e7cf	2020/07/13[\$LATEST]e6ffdd89af17464dbc0f57ace10aeb43	1.96	100
3	2020-07-13T08:28:16.241Z	de83ac4a-2900-4080-ab08-fd09ee584865	2020/07/13[\$LATEST]ee79d52fcd64c7da4f0564d1dcb4c98	1.83	100
4	2020-07-13T08:27:23.425Z	183e07c7-9f84-4d2e-a217-4e3af3fdd6e4	2020/07/13[\$LATEST]781383b64a2341108f3e8419651e2c02	1.63	100
5	2020-07-13T08:22:58.599Z	a6521328-b89e-4877-b559-352445990d4f	2020/07/13[\$LATEST]9713bac4cbfd4812866596275fed1c68	1.33	100
6	2020-07-13T08:22:27.216Z	90356225-2b05-4d12-849a-e0b77935685b	2020/07/13[\$LATEST]9713bac4cbfd4812866596275fed1c68	1.67	100
7	2020-07-13T08:20:44.481Z	c3783e4d-c3fe-4620-985c-edcc247a3080	2020/07/13[\$LATEST]1d23024ee8644fa78494af55a89c7dad	1.37	100
8	2020-07-13T08:19:54.224Z	4474b0cc-18b7-4cdb-8314-f3b95f95855b	2020/07/13[\$LATEST]25776530f8c7482787031dc7bd10bba3	0.93	100
9	2020-07-13T08:19:49.467Z	564d9c36-bbf1-4268-8992-5acedc75585b	2020/07/13[\$LATEST]25776530f8c7482787031dc7bd10bba3	0.98	100

Most expensive invocations in GB-seconds (memory assigned \* billed duration)

#	Timestamp	RequestID	LogStream	BilledDurationInMS	MemorySizeInMB
---	-----------	-----------	-----------	--------------------	----------------