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Module 8 Lab 1
CS55A

The screenshot displays the AWS Lambda console interface. At the top, a green notification bar states: "The test event **hellotest** was successfully saved." The main header shows the breadcrumb "Lambda > Functions > hello-world-python" and the function name "hello-world-python". Action buttons include "Throttle", "Copy ARN", and "Actions".



The "Function overview" section contains a card for "hello-world-python" with a "Layers" section showing "(0)". To the right, details include: "Description: A starter AWS Lambda function.", "Last modified: 1 minute ago", "Function ARN: arn:aws:lambda:us-east-1:985642936009:function:hello-world-python", and "Function URL: Info".

Below the overview are tabs for "Code", "Test", "Monitor", "Configuration", "Aliases", and "Versions". The "Code" tab is active, showing the "Code source" section with an "Upload from" button. A code editor displays the following Python code:

```
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
```

The bottom of the console features a footer with "CloudShell", "Feedback", "Language", and copyright information: "© 2023, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences".


Roles (4) [Info](#)



Create role

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

< 1 >



<input type="checkbox"/>	Role name ▾	Trusted entities	Last activ... ▾
<input type="checkbox"/>	AWSServiceRoleForRDS	AWS Service: rds (Service-Linked Role)	-
<input type="checkbox"/>	AWSServiceRoleForSupport	AWS Service: support (Service-Linked Role)	-
<input type="checkbox"/>	AWSServiceRoleForTrustedAdvisor	AWS Service: trustedadvisor (Service-Linked Role)	-
<input type="checkbox"/>	lambda-basic-execution	AWS Service: lambda	-


Code source [Info](#)

Upload from ▾

File Edit Find View Go Tools Window

Test ▾ **Deploy**

lambda_function ×

Execution result: × 

Environment

hello-world-python ⚙

lambda_function.py

Execution results

Status: **Succeeded** Max memory used: 36 MB Time: 1.86 ms

Test Event Name

hellotest

Response

"value1"

Function Logs

Loading function
START RequestId: 38aa34d5-d352-4c38-8e57-80628ab15c78 Version: \$LATEST
value1 = value1
value2 = value2
value3 = value3
END RequestId: 38aa34d5-d352-4c38-8e57-80628ab15c78
REPORT RequestId: 38aa34d5-d352-4c38-8e57-80628ab15c78 Duration: 1.86 ms Billed Duration: 2 ms Memory Size: 128 MB Max Memory

Request ID

38aa34d5-d352-4c38-8e57-80628ab15c78

aws

Services

Q iam

N. Virginia

palmeri_fhstudent @ 9856-4293-6009

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

Lambda > Functions > hello-world-python

hello-world-python

ThrottleCopy ARNActions

Function overview

CodeTestMonitorConfigurationAliasesVersions

MetricsLogsTracesView CloudWatch logsView X-Ray tracesView Lambda InsightsView CodeGuru profiles

CloudWatch metrics

Filter byFunction

Lambda sends runtime metrics for your functions to Amazon CloudWatch. The metrics shown are an aggregate view of all function runtime activity. To view metrics for the unqualified or \$LATEST resource, choose **Filter by**. To view metrics for a specific function version or alias, choose **Aliases** or **Versions**, select the alias or version, and then choose **Monitor**.

1h3h12h1d3d1wCustom

Invocations

Count

2

1

0

18:0019:0020:00

Invocations

Duration

Milliseconds

7.32

4.59

1.86

18:0019:0020:00

Duration minimumDuration averageDuration maximum

Error count and success rate (%)

Count

1

0.5

0

18:0019:0020:00

ErrorsSuccess rate (%)

Throttles

Count

1

0.5

0

18:0019:0020:00

Throttles

Iterator age

No unit

1

0.5

0

18:0019:0020:00

Iterator age

Total concurrent executions

Count

2

1

0

18:0019:0020:00

Total concurrent executions

CloudShellFeedbackLanguage

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My Estimate [Edit](#)

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Estimate summary [Info](#)Upfront cost
0.00 USDMonthly cost
0.21 USDTotal 12 months cost
2.52 USD
Includes upfront cost

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My Estimate

[Duplicate](#)[Delete](#)[Move to](#)[Create group](#)[Add support](#)[Add service](#) Find resources< 1 > 

<input type="checkbox"/>	Service Name ▼	Upfront cost ▼	Monthly cost ▼	Description ▼	Region ▼	Config Summary ▼
<input type="checkbox"/>	AWS Lambda 	0.00 USD	0.21 USD	hellotest	US East (N. Virginia)	Architecture (x86), A...

aws

Services

Q lam

N. Virginia

palmeri_rhstudent@9856-4293-6009

Lightsail

EC2

The test event **hello-test** was successfully saved.

Lambda > Functions > hello-world-python

hello-world-python

ThrottleCopy ARNActions

Function overview

CodeTestMonitorConfigurationAliasesVersions

General configuration

Triggers

Permissions

Destinations

Function URL

Environment variables

Tags

VPC

Monitoring and operations tools

Concurrency

Asynchronous invocation

Code signing

Database proxies

File systems

State machines

General configuration

Description

A starter AWS Lambda function.

Memory

128 MB

Ephemeral storage

512 MB

Timeout

0 min

Edit

Delete function hello-world-python

Deleting a function permanently removes the function code. The related logs, roles, test event schemas, and triggers are retained in your account.

CancelDelete

CloudShell

Feedback

Language

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