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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 heading is "hello-world-python". Below this, the "Function overview" section shows the function icon, name, and layers (0). It includes buttons for "Add trigger" and "Add destination". To the right, the "Description" is "A starter AWS Lambda function.", "Last modified" is "1 minute ago", and the "Function ARN" is "arn:aws:lambda:us-east-1:985642936009:function:hello-world-python". The "Function URL" is also listed with an "Info" link.

The "Code source" section is active, showing a file explorer with "hello-world-python" and "lambda_function.py". The 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 shows the footer with "CloudShell", "Feedback", "Language", and copyright information: "© 2023, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences".

IAM > Roles

Roles (4) Info

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

 Go to Anything (Ctrl-P)

Environment

hello-world /
lambda_function.py

Execution results
Status: Succeeded Max memory used: 36 MB Time: 1.81 ms

Test Event Name
helloworld

Response
"Hello World from CS55A"

Function Logs
Loading function
START RequestId: 75f33a6d-bda8-4f2d-b46d-e7eb7abd8c76 Version: \$LATEST
value1 = Hello World from CS55A
value2 = value2
value3 = value3
END RequestId: 75f33a6d-bda8-4f2d-b46d-e7eb7abd8c76
REPORT RequestId: 75f33a6d-bda8-4f2d-b46d-e7eb7abd8c76 Duration: 1.81 ms Billed Duration: 2 ms Memory Size: 128 MB Max Memory

Request ID
75f33a6d-bda8-4f2d-b46d-e7eb7abd8c76

Code properties Info		
Package size 443.0 byte	SHA256 hash vD7CE7ULuwxrKMeo6Pne8ZOK2gCQ2w1LYgXQg uu/VL8=	Last modified May 25, 2023 at 10:06 AM EDT

ⓘ The test event **helloworld** was successfully saved.




hello-world


Throttle

📄 Copy ARN

Actions ▾

▼ Function overview [Info](#)

 **hello-world**

 Layers (0)

+ Add trigger

+ Add destination

Description

A starter AWS Lambda function.

Last modified

16 minutes ago

Function ARN

📄 `arn:aws:lambda:us-east-1:985642936009:function:hello-world`

Function URL [Info](#)

-

Code

Test

Monitor

Configuration

Aliases

Versions

Metrics

Logs

Traces

View CloudWatch logs [🔗](#)

View X-Ray traces [🔗](#)

View Lambda Insights [🔗](#)

View CodeGuru profiles [🔗](#)

CloudWatch metrics [Info](#)

Filter by **Function** ▾

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**.

1h

3h

12h

1d

3d

1w

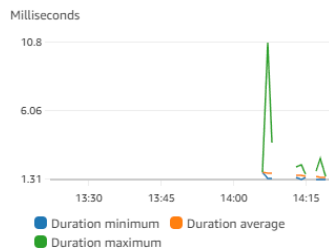
Custom 



Invocations



Duration



Error count and success rate (%)



Edit AWS Lambda [Info](#)



Description

Module 8

Choose a location type [Info](#)

Region

Choose a Region

US East (N. Virginia)

☐ Lambda Function - Include Free Tier

Lambda counts a request each time it starts executing in response to an event notification or invoke call, including test invokes from the console. You are charged for the total number of requests across all your functions. The price depends on the amount of memory you allocate to your function. The Lambda free tier includes 1M free requests per month and 400,000 GB-seconds of compute time per month.

☒ Lambda Function - Without Free Tier

Lambda counts a request each time it starts executing in response to an event notification or invoke call, including test invokes from the console. You are charged for the total number of requests across all your functions. The price depends on the amount of memory you allocate to your function. The Lambda free tier discounts are excluded.

Service settings [Info](#)

The calculations below exclude free tier discounts.

Architecture

x86

Number of requests

1000000

per month

Duration of each request (in ms)

Duration is calculated from the time your code begins executing until it returns or otherwise terminates.

2

Amount of memory allocated

Enter the amount between 128 MB and 10 GB

128

MB

Amount of ephemeral storage allocated

Enter the amount between 512 MB and 10,240 MB. The first 512 MB are at no additional charge, you only pay for any additional storage that you configure for the function.

512

MB

Lambda costs - Without Free Tier (Monthly): 0.20 USD

Total Upfront cost: 0.00 USD

Total Monthly cost: 0.20 USD

Show Details ▲

Cancel

Update

Services

Search

[Alt+S]

N. Virginia

palmer1_thcstudent @ 9856-4293-6009

Lightsail

EC2

Lambda > Functions > hello-world

hello-world

ThrottleCopy ARNActions

Function overviewInfo

hello-world

Layers(0)

+ Add trigger

+ Add destination

Description

A starter AWS Lambda function.

Last modified

22 minutes ago

Function ARN

arn:aws:lambda:us-east-1:985642936009:function:hello-world

CodeTestMonitor

Code sourceInfo

Upload from

FileEditFindViewGoToolsWindowTestEventsHelp

Go to Anything (Ctrl-P)

lambda_function *Execution result *

Environment

hello-world

lambda_function.py

Execution results

Status: SucceededMax memory used: 38 MBTime: 1.64 ms

Test Event Name

helloworld

Response

"Hello World from CS55A"

Function Logs

START RequestId: 1011f004-e6c5-4bdf-abdf-d2a50500bdf3 Version: \$LATEST
value1 = Hello World from CS55A
value2 = value2
value3 = value3
END RequestId: 1011f004-e6c5-4bdf-abdf-d2a50500bdf3
REPORT RequestId: 1011f004-e6c5-4bdf-abdf-d2a50500bdf3 Duration: 1.64 ms Billed Duration: 2 ms Memory Size: 128 MB Max Memory

Request ID

1011f004-e6c5-4bdf-abdf-d2a50500bdf3

CloudShellFeedbackLanguage

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Delete function hello-world

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

CancelDelete