

Creating a Simple AWS Lambda Function

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Creating a Simple AWS Lambda Function

Introduction

In this hands-on lab, we will create and customize Python3-based Lambda functions from within the console.

Solution

Log in to the live AWS environment using the credentials provided. Make sure you're in the N. Virginia (**us-east-1**) region throughout the lab.

All of the code used in the lesson is [available for download here](#).

Create a Lambda Function within the AWS Lambda Console

1. Navigate to Lambda.
2. Click **Create a function**.
3. Make sure the **Author from scratch** option at the top is selected, and then use the following settings:
 - *Basic information:*
 - *Name:* **HelloWorld**
 - *Runtime:* **Python3.6**
 - *Permissions:*
 - Select **Choose or create an execution role**.
 - *Execution role:* **Use an existing role**
 - *Existing role:* **lambdarole**
4. Click **Create function**.
5. On the *HelloWorld* page, scroll to the *Function code* section.
6. Delete the existing code there, and enter the [code from GitHub](#).
7. Click **Deploy**.

Create a Test Event and Manually Invoke the Function Using the Test Event

1. In the dropdown next to *Test* at the top of the Lambda console, select **Configure test events**.
2. In the dialog, select **Create new test event**.
3. Select the **Hello World** event template.
4. Give it an event name (e.g., "Test").
5. Replace the current code there with the [provided JSON code](#), and then click **Create**.
6. Click **Test** to verify the function's success.

Verify That CloudWatch Has Captured Function Logs

1. Navigate to CloudWatch.
2. Select **Logs** in the left-hand menu.
3. Select the log group with your function name in it.
4. Select the log stream within the log group.
5. Verify the output is present and correct.

Conclusion

Congratulations on completing this hands-on lab!

Tools

[Lab Diagram](#)[Instant Terminal](#)

Credentials

[? How do I connect?](#)

AWS Account

Username

cloud_user



Password

#6Efwaftqc



[Open Link in Incognito Window](#)

[? How do I connect?](#)

Additional Resources

Please go to the AWS Console using the link provided after lab creation is complete.

Login using the credentials provided to you. You should have been given a user name of `cloud_user` and a randomly generated password.

Please make sure you are in the **us-east-1** region before beginning.

Note: You do not need to rewrite all of the code used in the lesson. It is available for download here:

Lesson Code: https://raw.githubusercontent.com/linuxacademy/content-lambda-deep-dive/master/section_2/live_act_1/lambda_function.py

Learning Objectives

0 of 0 completed

- ☐ Create a Lambda Function within the AWS Lambda Console

- ☐ Create a Test Event and Manually Invoke the Function Using the Test Event

- ☐ Verify that CloudWatch has Captured Function Logs
