Creating a Simple AWS Lambda Function

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(1 hour duration

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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:
 - o Basic information:

Name: HelloWorldRuntime: 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

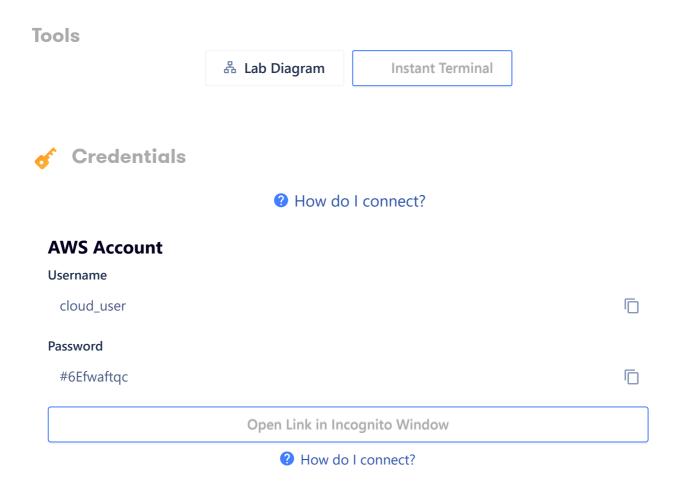
- 1. In the dropdown next to *Test* at the top of the Lambda console, select **Configure test events**.
- 2. In the dialog, select Create new test event.
- 3. Select the **Hello World** event template.
- 4. Give it an event name (e.g., "Test").
- 5. Replace the current code there with the provided JSON 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!



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-deepdive/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