**Lab - Create and execute a Lambda**

**Compute Power in the Cloud**

In this hands-on exercise, you will write your first Lambda function using Node.js.

**Prerequisites:**

* AWS account

**Topics Covered:**

By the end of this lab, you will be able to:

* Author a Lambda function using Node.js via the console
* Test a Lambda function via the console

**Steps:**

1. **Create a Lambda Function**
   * On the AWS Management Console page, type lambda in the Find Services box and then select Lambda.
   * Click the “Create function” button and select Author from scratch.
   * Enter a Function name and select Node.js 8.10 as the runtime.
   * For Permission, click Choose or create an execution role, and select Create a new role with basic Lambda permissions.
   * Click Create function.
2. **Modify a Lambda Function**
   * Scroll down to the code for the Lambda function.
   * Replace the code on Line 5 with the statement below:
   * body: JSON.stringify('Hello ' + event.key1 + ' from Lambda!'),
   * Click the Save button in the upper right-hand corner.
   * Scroll down to the Basic Settings section.
     + For the Description, enter Udacity Function.
     + Change the Timeout from 3 seconds to 10 minutes.
     + Click the Savebutton in the upper right-hand corner.
3. **Test a Lambda Function**
   * Click on the Test button in the upper right-hand corner.
   * Ensure the Event template is Hello World.
   * For the Event name enter TestEvent ***Important:*** The name cannot contain spaces.
   * Update the JSON to the statement below, replacing the statement with your name.
   * {
   * "key1": "Place your name here"
   * }
4. Click Create.
5. Click the Test button in the upper right-hand corner again.
6. Scroll up to see the output in the Execution Results pane.
7. Review your results in the window.