

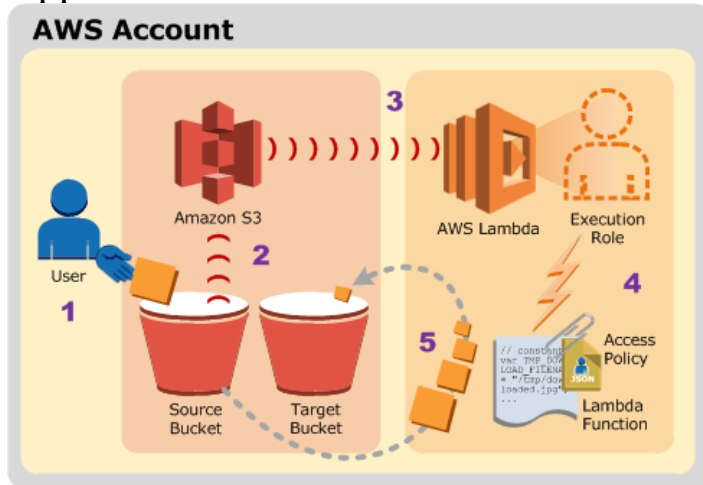
Intro to AWS Lambda

Time spent: 30min

Overview:

AWS Lambda is a compute service that runs your code in response to events and automatically manages the compute resources for you, making it easy to build applications that respond quickly to new information. AWS Lambda starts running your code within milliseconds of an event such as an image upload, in-app activity, website click, or output from a connected device. You can also use AWS Lambda to create new back-end services where compute resources are automatically triggered based on custom requests.

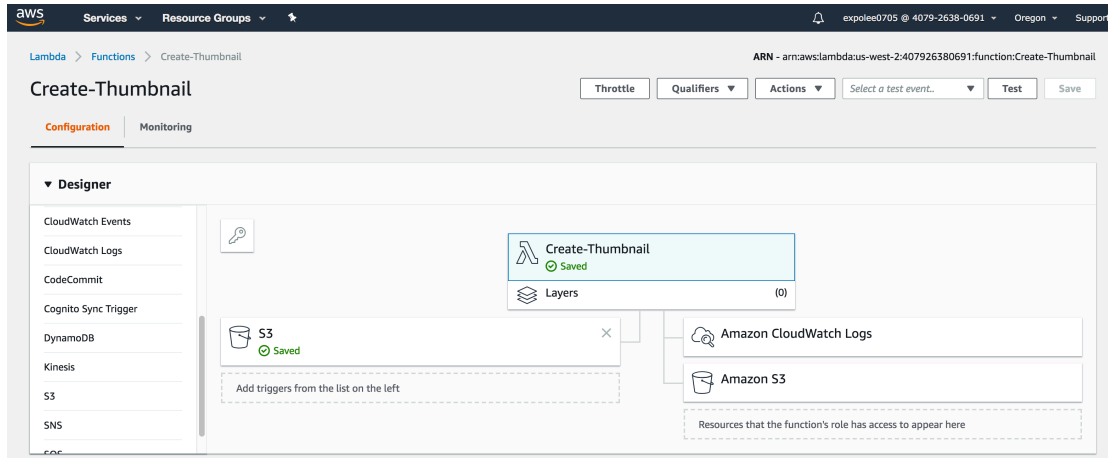
Application Structure



What I learned:

- How to build the Lambda function
- How to add the trigger to the function
- How to test a Lambda function

What I built:



- **Test the function**

Configure test event



A function can have up to 10 test events. The events are persisted so you can switch to another computer or web browser and test your function with the same events.

☒ Create new test event

☐ Edit saved test events

Event template

Amazon S3 Put

Event name

Upload

```
9      "principalId": "EXAMPLE"
10    },
11  },
12  "requestParameters": {
13    "sourceIPAddress": "127.0.0.1"
14  },
15  "responseElements": {
16    "x-amz-request-id": "EXAMPLE123456789",
17    "x-amz-id-2": "EXAMPLE123/5678abcdefghijklambdaisawesome/mnopqrstuvwxyzABCDEFGH
18  },
19  "s3": {
20    "s3SchemaVersion": "1.0",
21    "configurationId": "testConfigRule",
22    "bucket": {
23      "name": "images-0705",
24      "ownerIdentity": {
25        "principalId": "EXAMPLE"
26      },
27      "arn": "arn:aws:s3:::images-0705"
28    },
29    "object": {
30      "key": "test/key",
31      "size": 1024,
32      "eTag": "0123456789abcdef0123456789abcdef",
33      "sequencer": "0A1B2C3D4E5F678901"
34    }
35  }
```

Cancel

Create

- **Function work and get the resized picture**

Amazon S3 > images-0705-resized

Overview

Properties

Permissions

Management

Q

Type a prefix and press Enter to search. Press ESC to clear.

Upload

Create folder

Download

Actions

<input type="checkbox"/>	Name	Last modified	Size
<input type="checkbox"/>	thumbnail-HappyFace.jpg	Dec 9, 2018 8:09:12 PM GMT-0500	2.6 KB

Summary:

In this section, I learned how to use Amazon Lambda which plays a role like a programmable event flow.