

MaxCount=1,
 MinCount=1
)
print("New instance created:", instance[0].id)

• To make it more modular, I setup environment variable

Environment variables

You can define environment variables as key-value pairs that are accessible from your function code. These are useful to store configuration settings without the need to change function code. Learn more

t2.micro

ami-0de53d8956e8dcf80

ec2-lambda-key-pair

To test it, click on Configure test event and remove all the content so that it will

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

subnet-0dc6666631ea5bf91

Remove

Remove

Remove

Remove

X

}

import os

AMI

INSTANCE_TYPE

look like { }

Configure test event

Create new test event

Event template

Hello World

mytestevent

Event name

1 · { 2 }

mytest

Summary

Duration

Resources configured

Q Filter by tags and attributes or search by keyword

Execution result: succeeded (logs)

The section below shows the result returned by your function execution

START RequestId: 1dd99982-f23a-415c-afc1-b88504eac422 Version: \$LATEST

▲ Instance Type → Availability Zone

REPORT RequestId: 1dd99982-f23a-415c-afc1-b88504eac422 Duration: 1247.72 ms Billed Duration: 1300 ms

4XF38cufiWe/wy0SaqgmQ37ow0I1k8l6zxPkeB8GHfs=

New instance created: i-0cafbb84abb279eac END RequestId: 1dd99982-f23a-415c-afc1-b88504eac422

Edit saved test events

and test your function with the same events.

KEY_NAME

SUBNET_ID

import boto3

• Lambda code will look like this

AMI = os.environ['AMI']

ec2 = boto3.resource('ec2')

ImageId=AMI,

INSTANCE_TYPE = os.environ['INSTANCE_TYPE']

InstanceType=INSTANCE_TYPE,

KEY_NAME = os.environ['KEY_NAME']

SUBNET_ID = os.environ['SUBNET_ID']

def lambda_handler(event, context):

instance = ec2.create instances(

KeyName=KEY_NAME,
SubnetId=SUBNET_ID,

Qualifiers ▼

Memory Size: 128 MB

Public DNS (IPv4)

Max Memory Used: 72 MB

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1dd99982-f23a-415c-afc1-b88504eac422

Billed duration

Max memory used 72 MB

The section below shows the logging calls in your code. These correspond to a single row within the CloudWatch log group corresponding to this Lambda function. Click here to view the CloudWatch log group.

• If you go to the EC2 console, you will see something like this

Actions ▼

• Check the execution logs and you will see something like this

Congrats, you have created your first EC2 instance using Lambda

Looking forward from you guys to join this journey and spend a minimum an hour every day for the next 100 days on DevOps work and post your progress using any of the below medium.

Twitter: @100daysofdevops OR @lakhera2015

Facebook: https://www.facebook.com/groups/795382630808645/

Medium: https://medium.com/@devopslearning

Slack: https://devops-myworld.slack.com/messages/CF41EFG49/

GitHub Link: https://github.com/100daysofdevops

Reference

100 Days of DevOps — Day 0

D-day is just one day away and finally, this is a continuation of the post(I posted a month earlier)

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