import boto3

import os

def lambda\_handler(event, context):

'''

Extract the VPC ID from the event and enable VPC Flow Logs.

'''

try:

vpc\_id = event['detail']['responseElements']['vpc']['vpcId']

print('VPC: ' + vpc\_id)

ec2\_client = boto3.client('ec2')

response = ec2\_client.describe\_flow\_logs(

Filter=[

{

'Name': 'resource-id',

'Values': [

vpc\_id,

]

},

],

)

if len(response[u'FlowLogs']) != 0:

print('VPC Flow Logs are ENABLED')

else:

print('VPC Flow Logs are DISABLED')

print('FLOWLOGS\_GROUP\_NAME: ' + os.environ['FLOWLOGS\_GROUP\_NAME'])

print('ROLE\_ARN: ' + os.environ['ROLE\_ARN'])

response = ec2\_client.create\_flow\_logs(

ResourceIds=[vpc\_id],

ResourceType='VPC',

TrafficType='ALL',

LogGroupName=os.environ['FLOWLOGS\_GROUP\_NAME'],

DeliverLogsPermissionArn=os.environ['ROLE\_ARN'],

)

print('Created Flow Logs: ' + response['FlowLogIds'][0])

except Exception as e:

print('Error - reason "%s"' % str(e))