import boto3

def lambda\_handler(event, context):

client = boto3.client('ec2')

regions = client.describe\_regions().get('Regions',[])

myawsregions = [region['RegionName'] for region in regions]

print(myawsregions)

for region in myawsregions:

client = boto3.client('ec2',region\_name = region)

resp = client.describe\_vpcs().get('Vpcs',[])

for vpcinfo in resp:

print(f'Getting the VPC Information for the region {region}')

print(vpcinfo['VpcId'],'--->',vpcinfo['CidrBlock'])

print('-'\*40)

import boto3

import re

from pprint import pprint

regions = []

client = boto3.client('ec2',

aws\_access\_key\_id='AKIA2QEFLENWK7FDFTWD',

aws\_secret\_access\_key='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',

region\_name='us-east-1'

)

all\_regions\_dict = client.describe\_regions().get('Regions','NotFound')

for region in all\_regions\_dict:

regions.append(region['RegionName'])

#print(region['RegionName'])

#How Can We Do The Above Using List Comprehension

new\_region\_list = [ region['RegionName'] for region in all\_regions\_dict ]

print(new\_region\_list)

print(100\*'-')

print(regions)

print(100\*'-')

for region in new\_region\_list:

client = boto3.client('ec2',

aws\_access\_key\_id='AKIA2QEFLENWK7FDFTWD',

aws\_secret\_access\_key='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',

region\_name=region

)

vpcs = client.describe\_vpcs().get('Vpcs','NotFound')

print(f'Lets Get The VPC Information For The Region {region}....')

for vpc in vpcs:

print(vpc['VpcId'],'--->',vpc['CidrBlock'])

import boto3

import re

from pprint import pprint

client = boto3.client('ec2',

aws\_access\_key\_id='AKIA2QEFLENWK7FDFTWD',

aws\_secret\_access\_key='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',

region\_name='us-east-1'

)

vpcs = client.describe\_vpcs().get('Vpcs','NotFound')

for vpc in vpcs:

print(vpc['VpcId'],'--->',vpc['CidrBlock'])

###################################################################################

print(100\*'-')

client = boto3.client('s3',

aws\_access\_key\_id='AKIA2QEFLENWK7FDFTWD',

aws\_secret\_access\_key='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',

region\_name='us-east-1'

)

buckets = client.list\_buckets().get('Buckets','NotFound')

for bucket in buckets:

print(bucket['Name'])

Using Lambda to get all VPC information:

import boto3

import re

from pprint import pprint

def lambda\_handler(event, context):

regions = []

client = boto3.client('ec2',

region\_name='us-east-1'

)

all\_regions\_dict = client.describe\_regions().get('Regions','NotFound')

for region in all\_regions\_dict:

regions.append(region['RegionName'])

#print(region['RegionName'])

#How Can We Do The Above Using List Comprehension

new\_region\_list = [ region['RegionName'] for region in all\_regions\_dict ]

print(new\_region\_list)

print(100\*'-')

print(regions)

print(100\*'-')

for region in new\_region\_list:

client = boto3.client('ec2',

region\_name=region

)

vpcs = client.describe\_vpcs().get('Vpcs','NotFound')

print(f'Lets Get The VPC Information For The Region {region}....')

for vpc in vpcs:

print(vpc['VpcId'],'--->',vpc['CidrBlock'])