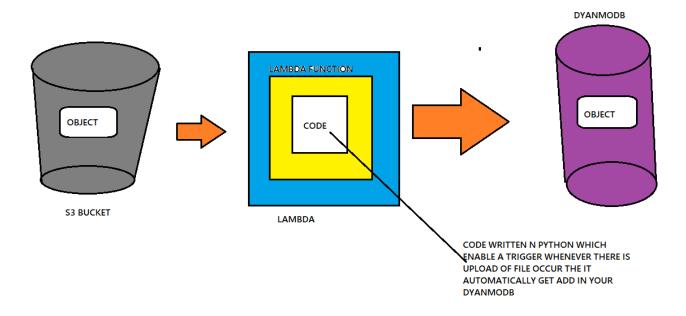
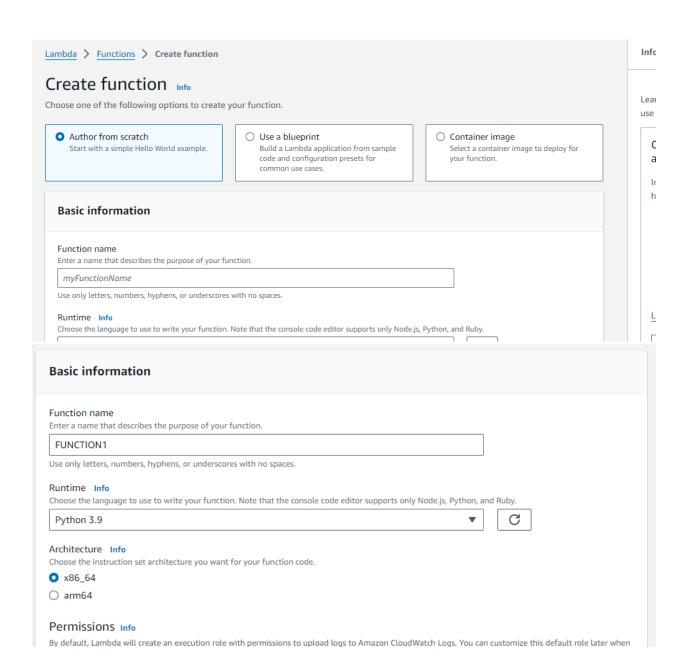
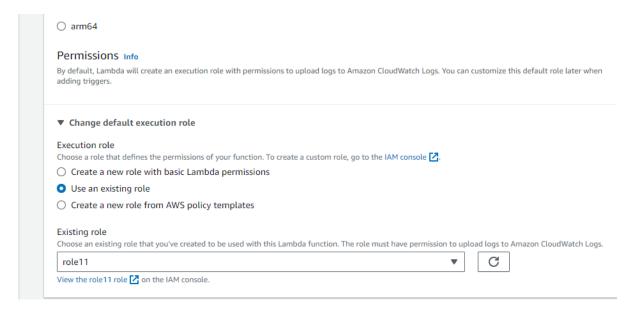
## AIM-CONCEPT OF LAMBDA

## ARCHITECTURE:-

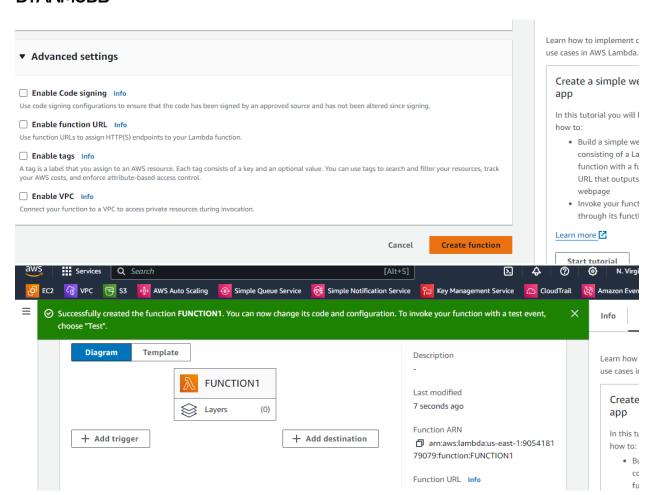


# STEPS-1 CREATE A LAMDA FUNCTION FIRST

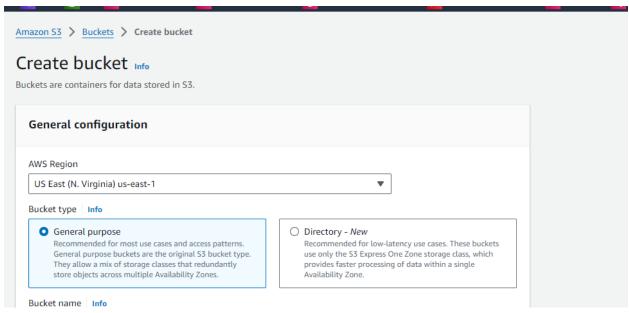




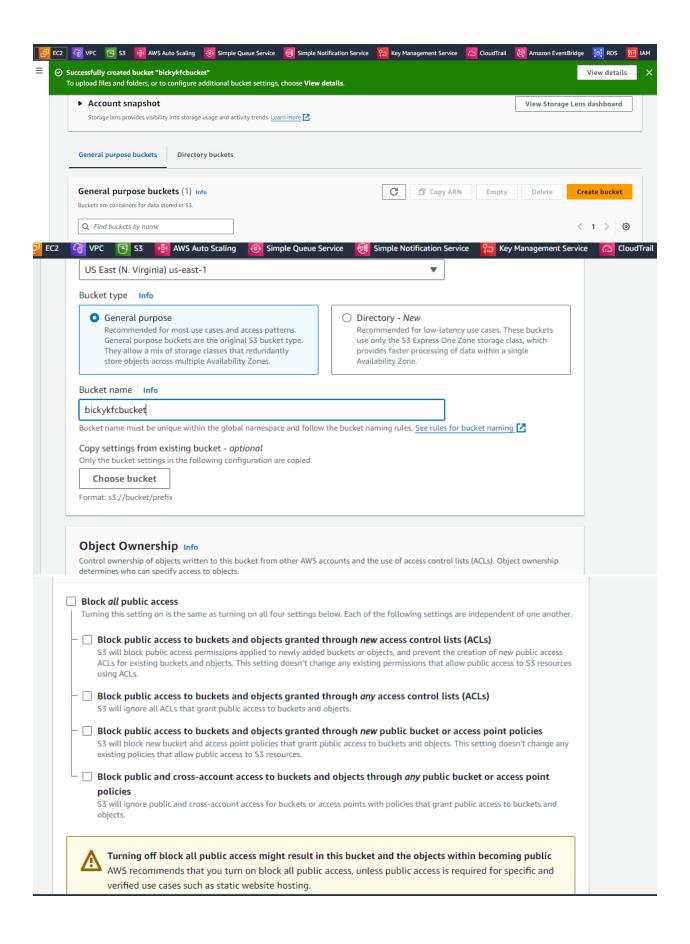
# YOU NEED TO CREATE ROLE AND GIVE FULL ACCESS OF S3 BUCKET AND DYANMODB

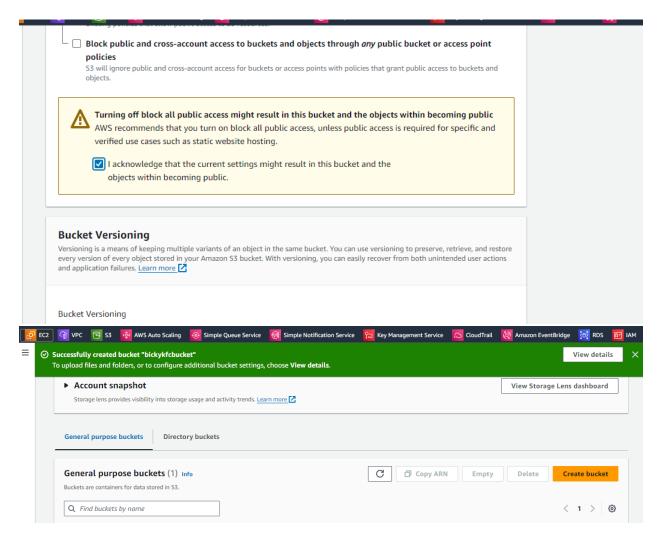


#### STEP2- CREATE A S3 BUCKET

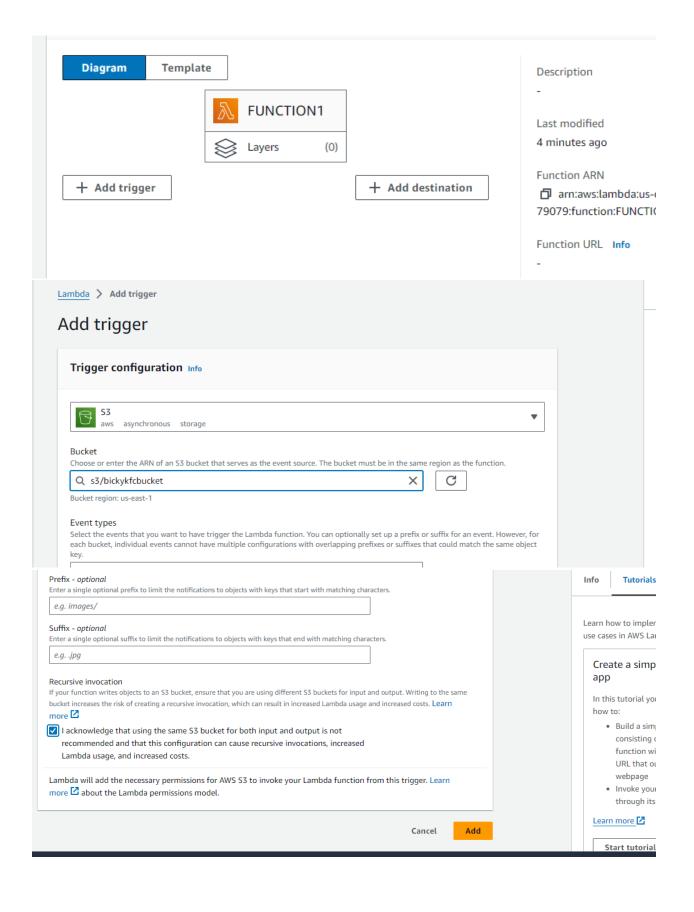


MAKE SURE YOUR AZ SHOULDBE SAME

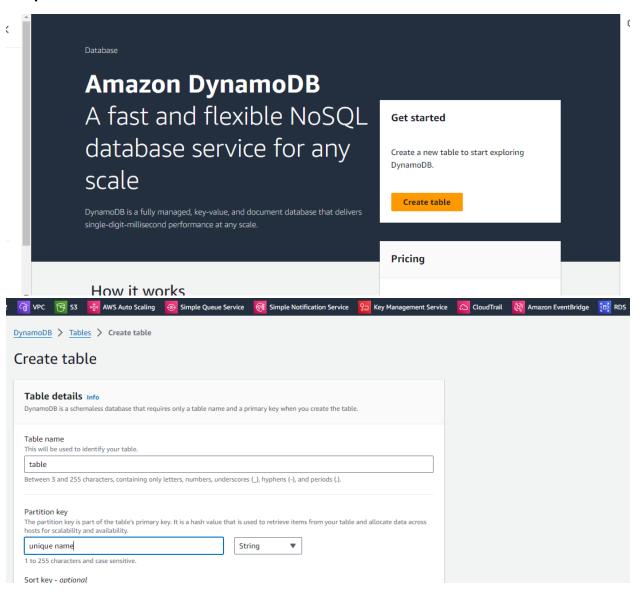


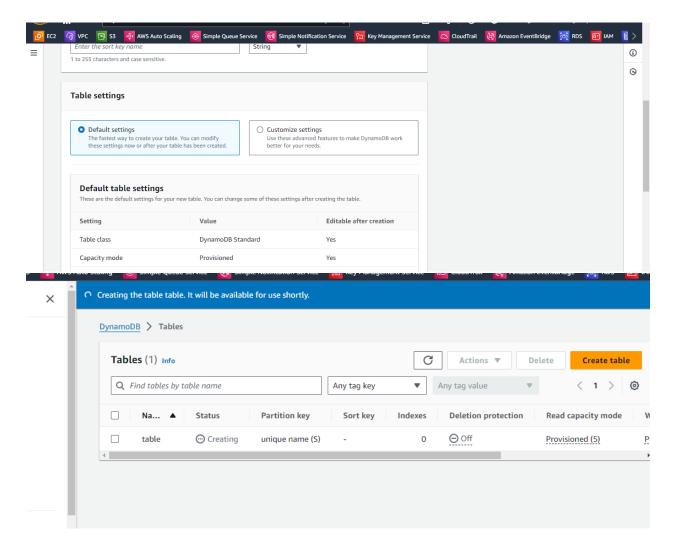


Now go to lamda and add trigger and add these bucket



## Step 3- create a DYANMODB TABLE





# STEP4- NOW GO TO LAMDA AND ADD ONE code TO GET REQUIRE OUTPUT I.E GETTING OBJECT UPDATE FROM S3 BUCKET TO DYANMO DB

#### Python code

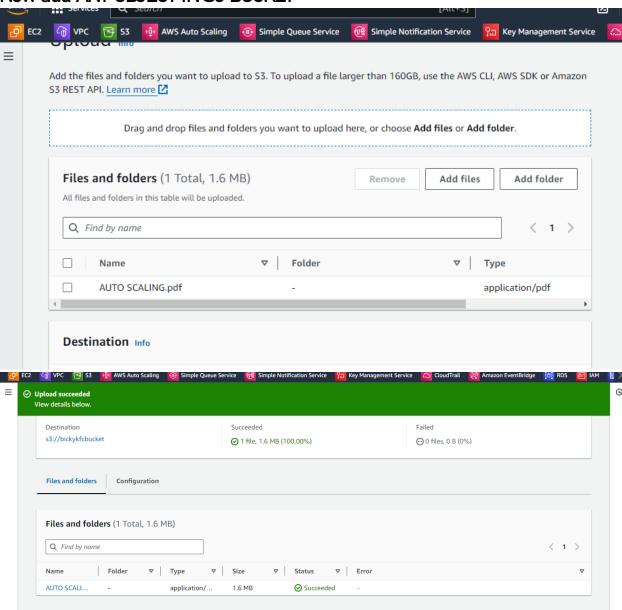
```
import boto3
from uuid import uuid4
def lambda_handler(event, context):
    s3 = boto3.client("s3")
    dynamodb = boto3.resource('dynamodb')
    for record in event['Records']:
        bucket_name = record['s3']['bucket']['name']
        object_key = record['s3']['object']['key']
```

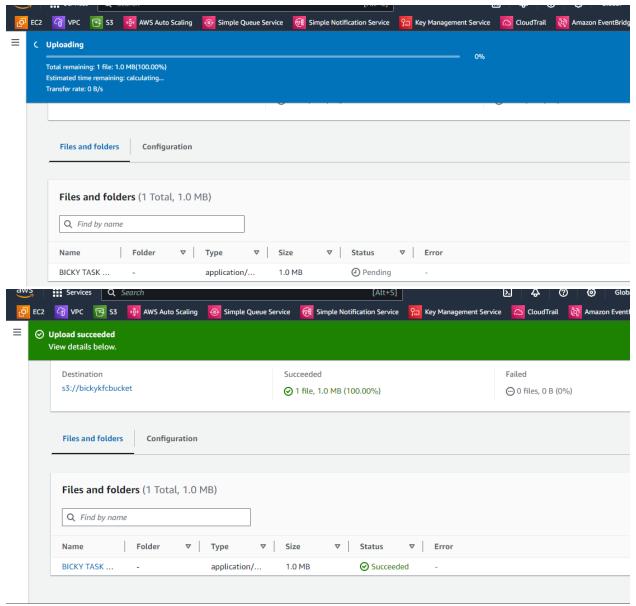
```
size = record['s3']['object'].get('size', -1)
           event_name = record ['eventName']
           event_time = record['eventTime']
           dynamo_table = dynamodb.Table('Table1')
           dynamo_table.put_item(
                 Item={'unique': str(uuid4()),
                 'Bucket': bucket_name,
                 'Object': object_key,
                 'Size': size.
                 'Event': event_name,
                 'EventTime': event_time
             })
CHANGE TABLE NAME, UNIQUE = PARTITION KEY, AND BUCKET NAME
import boto3
from uuid import uuid4
def lambda_handler(event, context):
  s3 = boto3.client("s3")
  dynamodb = boto3.resource('dynamodb')
  for record in event['Records']:
    bucket_name = record['s3']['bucket']['name']
    object_key = record['s3']['object']['key']
    size = record['s3']['object'].get('size', -1)
    event_name = record['eventName']
    event_time = record['eventTime']
```

```
dynamo_table = dynamodb.Table('table')
dynamo_table.put_item(
    Item={
         'unique name': str(uuid4()),
         'bickykfcbucket': bucket_name,
         'Object': object_key,
         'Size': size.
         'Event': event_name,
         'EventTime': event_time
                            AWS Auto Scaling
                                                    Simple Queue Service
                                                                            Simple Notification Service
                                                                                                                 Key Management Service
                                                                                  Deploy
                                                                                              Changes not deployed
              Edit
                    Find
                            View Go
                                                  Window
                                          Tools
          Go to Anything (Ctrl-P)
                                                                          Environment Vari ×
                                                 lambda_function ×
                                                import boto3
         ▼ TUNCTION1 - /
                                               from uuid import uuid4
              lambda_function.py
                                               def lambda_handler(event, context):
                                                     s3 = boto3.client("s3")
                                                    dynamodb = boto3.resource('dynamodb')
for record in event['Records']:
    bucket_name = record['s3']['bucket']['name']
    object_key = record['s3']['object']['key']
                                           10
                                                         size = record['s3']['object'].get('size', -1)
                                                         event_name = record['eventName']
event_time = record['eventTime']
dynamo_table = dynamodb.Table('table')
                                           11
                                           12
                                           14
                                                         dynamo_table.put_item(
                                           15
                                                             Item={
                                                                  "-l
'unique name': str(uuid4()),
'bickykfcbucke<mark>t</mark>': bucket_name,
                                           16
                                           17
                                                                  'Object': object_key,
                                                                  'Size': size,
'Event': event_name,
'EventTime': event_time
                                           19
                                           20
21
                                           22
```

First save these and deploy it

#### Now add ANY OBJECT IN S3 BUCKET





NOW CHECK DYANMO>TABLE>EXPLORE ITEM DB YOUR OBJECT WILL UODATE THERE

