import boto3

from urllib.parse import unquote\_plus

def lambda\_handler(event, context):

s3 = boto3.client('s3')

bucket\_name = 'ENTER THE BUCKET\_NAME HERE' # Bucket name specified ======> Change the bucket name here:

# Print the received event for debugging purposes

print("Received event:", event)

# Verify the event has the 'Records' key

if 'Records' not in event:

print("Error: No 'Records' key in event. This event is not an S3 event or is incorrectly formatted.")

return {'statusCode': 400, 'body': 'Error: Missing "Records" key in event payload.'}

# Process each record from the event

for record in event['Records']:

# Extract the file key from the record

key = unquote\_plus(record['s3']['object']['key'])

print(f"Processing file: {key} in bucket: {bucket\_name}")

try:

# Get the object's current metadata

response = s3.get\_object(Bucket=bucket\_name, Key=key)

# Copy the object over itself in S3, updating the ContentType

s3.copy\_object(

Bucket=bucket\_name,

CopySource={'Bucket': bucket\_name, 'Key': key},

Key=key,

MetadataDirective='REPLACE',

ContentType='image/jpeg', # Update ContentType to image/jpeg

Metadata=response['Metadata']

)

print(f"Updated ContentType for {key}")

except Exception as e:

# Log the exception if any operation fails

print(f"Error processing {key}: {str(e)}")

continue # Continue processing the next record in case of an error

return {

'statusCode': 200,

'body': 'Metadata for images updated successfully'

}