contents

Intro:

Serverless image processing refers to the practice of using serverless computing resources to handle tasks related to manipulating, transforming, and managing images. This approach leverages cloud computing services, such as AWS Lambda, Google Cloud Functions, or Azure Functions, where you can run code.

Benefits of Serverless Image Processing:

- Cost-Effectiveness: You only pay for the compute time used, without incurring costs during idle periods.
- Scalability: Serverless platforms automatically scale based on the incoming workload, ensuring efficient handling of image processing tasks, even during peak times.
- Simplicity: Developers can focus on writing code rather than managing infrastructure, as serverless platforms handle server provisioning, scaling, and maintenance.
- Flexibility: Serverless functions can be triggered by various events (HTTP requests, object storage events, etc.), allowing for flexible integration into different workflows.

Components:

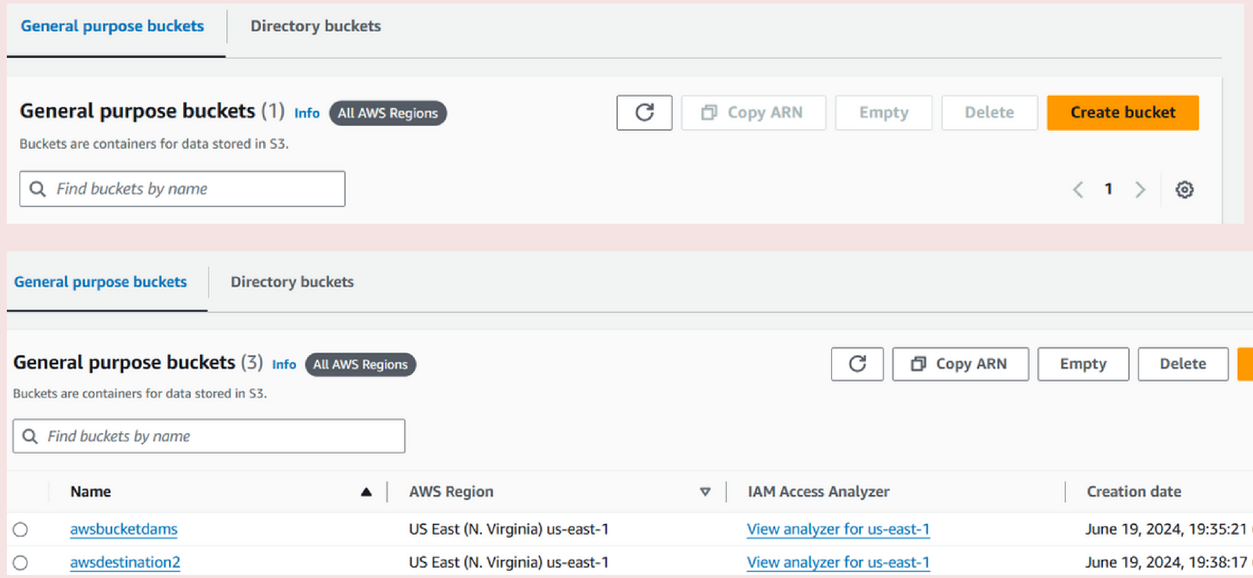
1.Amazon S3 Bucket
2: AWS lambda
3: Amazon API Gateway
4: Amazon S3 Event Notification

Step 1:

login to console aws cloud service.

Step 2:

Create S3 bucket .



Step 3:

For uploading photo , click on upload .

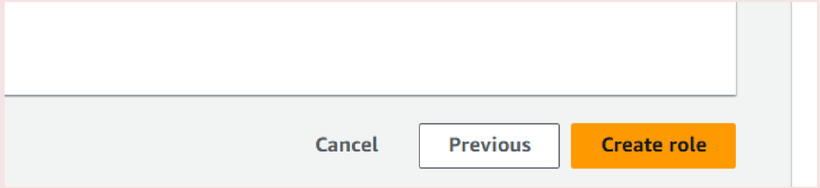
Step 4:

create policy

Go to IAM , click policies given on left hand side and create policied.

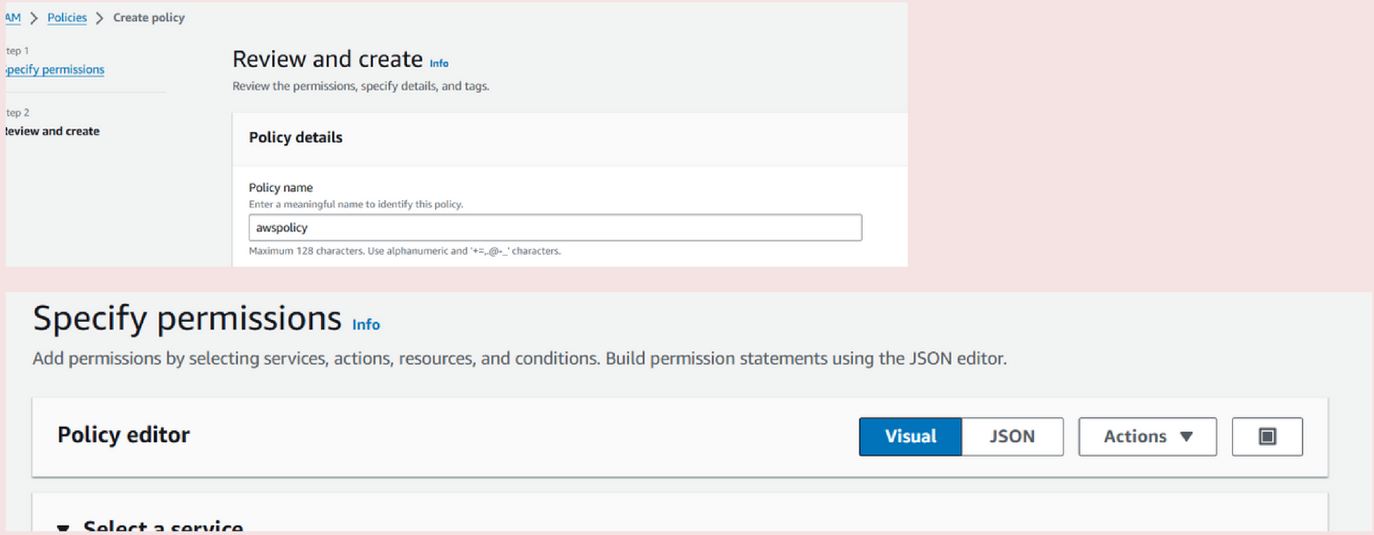
Step 5:

create role



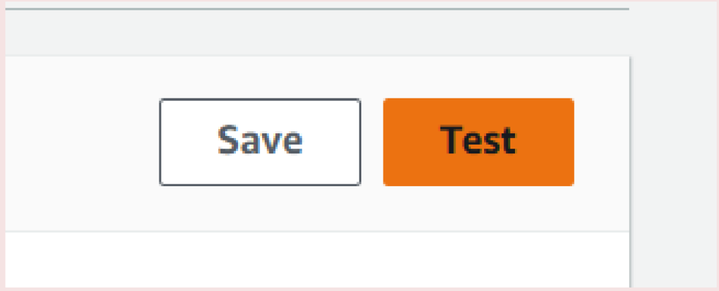
Step 6:

click on the JSON button and write the accurate code



Step 7:

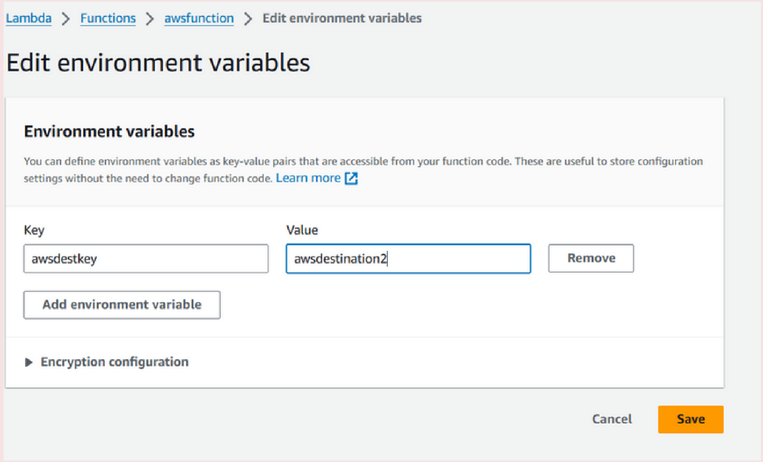
After writting the code , test the code

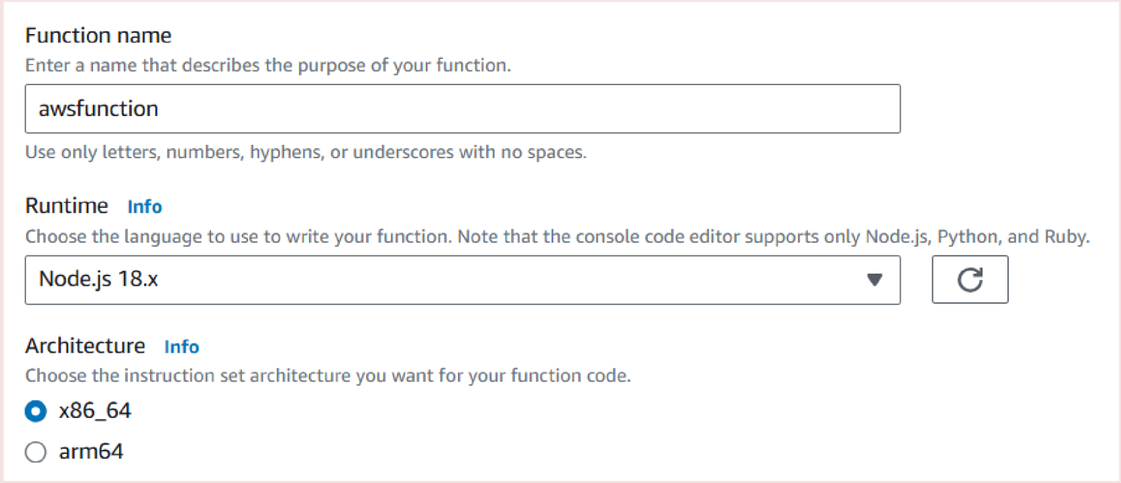


Step 8:

create lambda function .

Lambda function is used to compute service to execute image processing tasks.





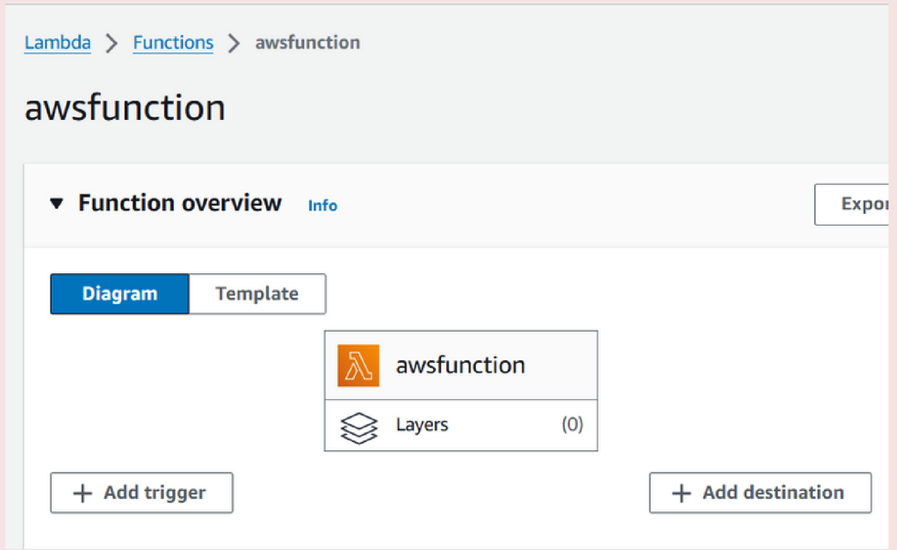
After that click on create function

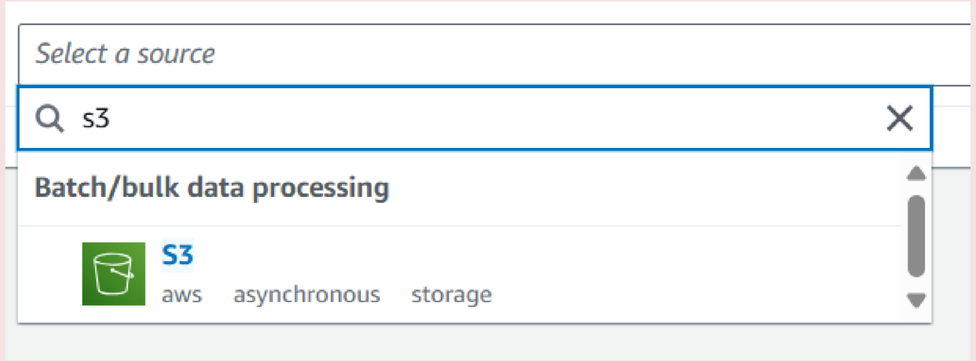
Step 9:

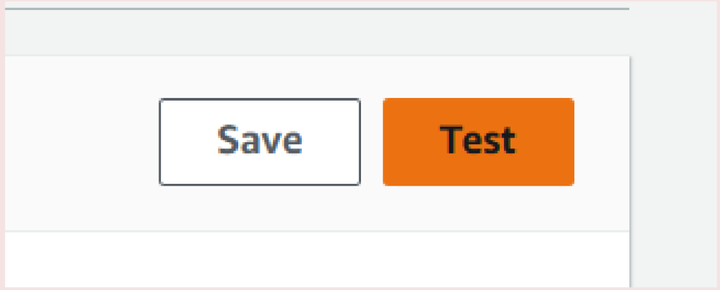
click on Add trigger then select
S3 bucket then select your source bucket

Step 10:

Go to code and upload zip file
and test the code







Thank you

Presented by

LAXMI PANDEY