

Question 2 Architecture

- Your application will upload the image to an S3 bucket
- As the object is uploaded, trigger an API GET request which in turn triggers a Lambda function.
- Create the resizing Lambda function
- The Lambda function gets the requested image from the S3 bucket and performs the resizing and uploads it to the S3 bucket with the required name.
- As the Lambda is executed, it sends a confirmation response

This ensures that there bucket event is not responsible for triggering Lambda.
Also recursive uploads to the same image can be avoided.

Deploying Lambda Function -

- Manually install and zip the required packages from the script and upload the zip file from inside the EC2 instance as the required roles for the Lambda aren't provided