Create a Lambda function named *<ProjectName>-uploads-batch-notifier*:

* use any preferred programming language
* grant the function the basic Lambda permissions as well as permissions for pulling from the <ProjectName>-uploads-notification-queue

Graphical user interface, text, application, email

Description automatically generated

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| --- |
| package com.aws.lambda;  import com.amazonaws.regions.Regions; import com.amazonaws.services.lambda.runtime.LambdaLogger;   import com.amazonaws.services.lambda.runtime.Context; import com.amazonaws.services.lambda.runtime.RequestHandler; import com.amazonaws.services.lambda.runtime.events.APIGatewayProxyResponseEvent; import com.amazonaws.services.sns.AmazonSNS;  import com.amazonaws.services.sns.AmazonSNSClientBuilder; import com.amazonaws.services.sns.model.AmazonSNSException; import com.amazonaws.services.sns.model.PublishRequest; import com.amazonaws.services.sns.model.PublishResult; import com.amazonaws.services.sqs.AmazonSQS;   import com.amazonaws.services.sqs.AmazonSQSClientBuilder; import com.amazonaws.services.sqs.model.Message; import com.amazonaws.services.sqs.model.ReceiveMessageRequest; import com.google.gson.Gson; import com.google.gson.GsonBuilder;  import java.util.List; import java.util.Map;  public class ImageHandler implements RequestHandler<Map<String, String>, APIGatewayProxyResponseEvent> {   private final String SQS\_URL = "https://sqs.us-east-1.amazonaws.com/216680942427/uploads-notification-queue";    Gson gson = new GsonBuilder().setPrettyPrinting().create();  private final AmazonSQS amazonSQS = AmazonSQSClientBuilder.*standard*().withRegion(Regions.*US\_EAST\_1*).build();  private final AmazonSNS amazonSNS = AmazonSNSClientBuilder.*standard*().withRegion(Regions.*US\_EAST\_1*).build();  private final int MAX\_TIMEOUT\_SECONDS = 3;  private final int MAX\_NUMBER\_OF\_MESSAGES = 10;  private String TOPIC\_ARN = "arn:aws:sns:us-east-1:216680942427:uploads-notification-topic";  LambdaLogger logger;    @Override  public APIGatewayProxyResponseEvent handleRequest(Map<String, String> input, Context context) {  logger = context.getLogger();  sendNotification();  return new APIGatewayProxyResponseEvent()  .withBody("Success")  .withStatusCode(200)  .withIsBase64Encoded(false);  }   private void sendNotification() {  List<Message> sqsList = getMessagesFromSQS();  for (Message m : sqsList) {  System.*out*.println(m.getBody());  publishToTopic(m.getBody());  }  }   private List<Message> getMessagesFromSQS() {  ReceiveMessageRequest receiveMessageRequest = new ReceiveMessageRequest()  .withQueueUrl(SQS\_URL)  .withMaxNumberOfMessages(MAX\_NUMBER\_OF\_MESSAGES)  .withWaitTimeSeconds(MAX\_TIMEOUT\_SECONDS);   return amazonSQS.receiveMessage(receiveMessageRequest).getMessages();   }   private void publishToTopic(String message) {  try {  PublishRequest request = new PublishRequest(TOPIC\_ARN, message);  PublishResult result = amazonSNS.publish(request);   } catch (AmazonSNSException e) {  System.*err*.println(e.getErrorMessage());  }  } } |

A picture containing application

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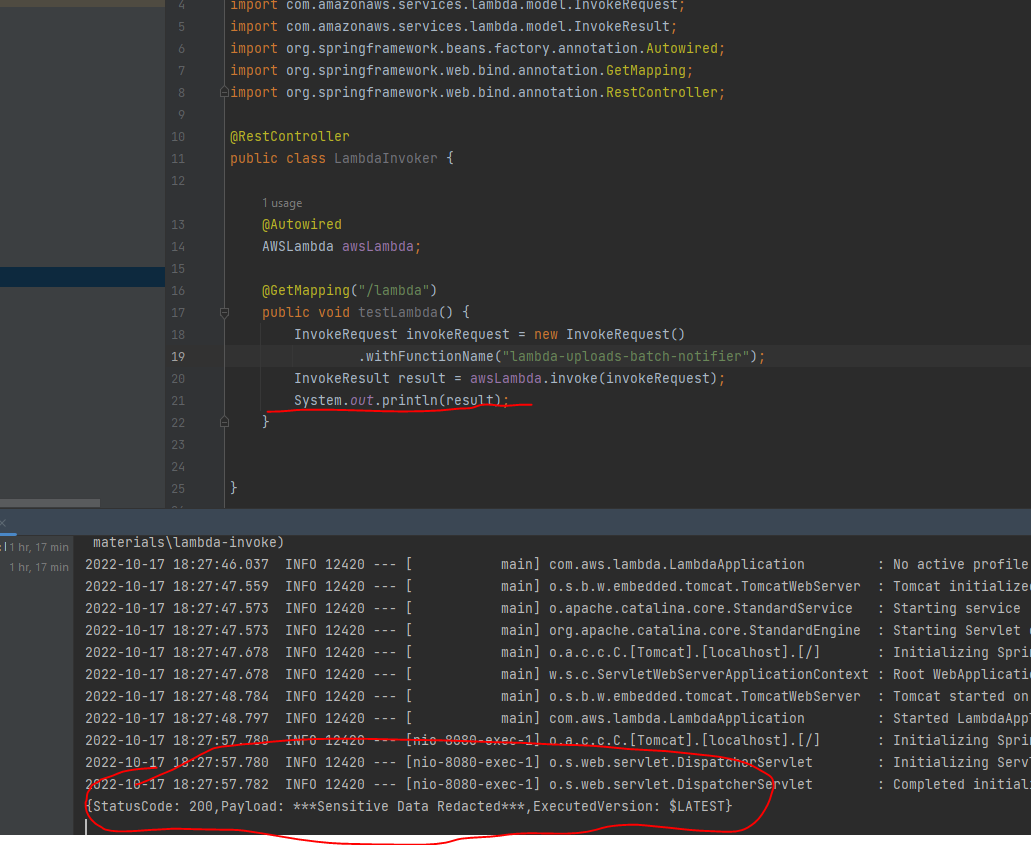
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