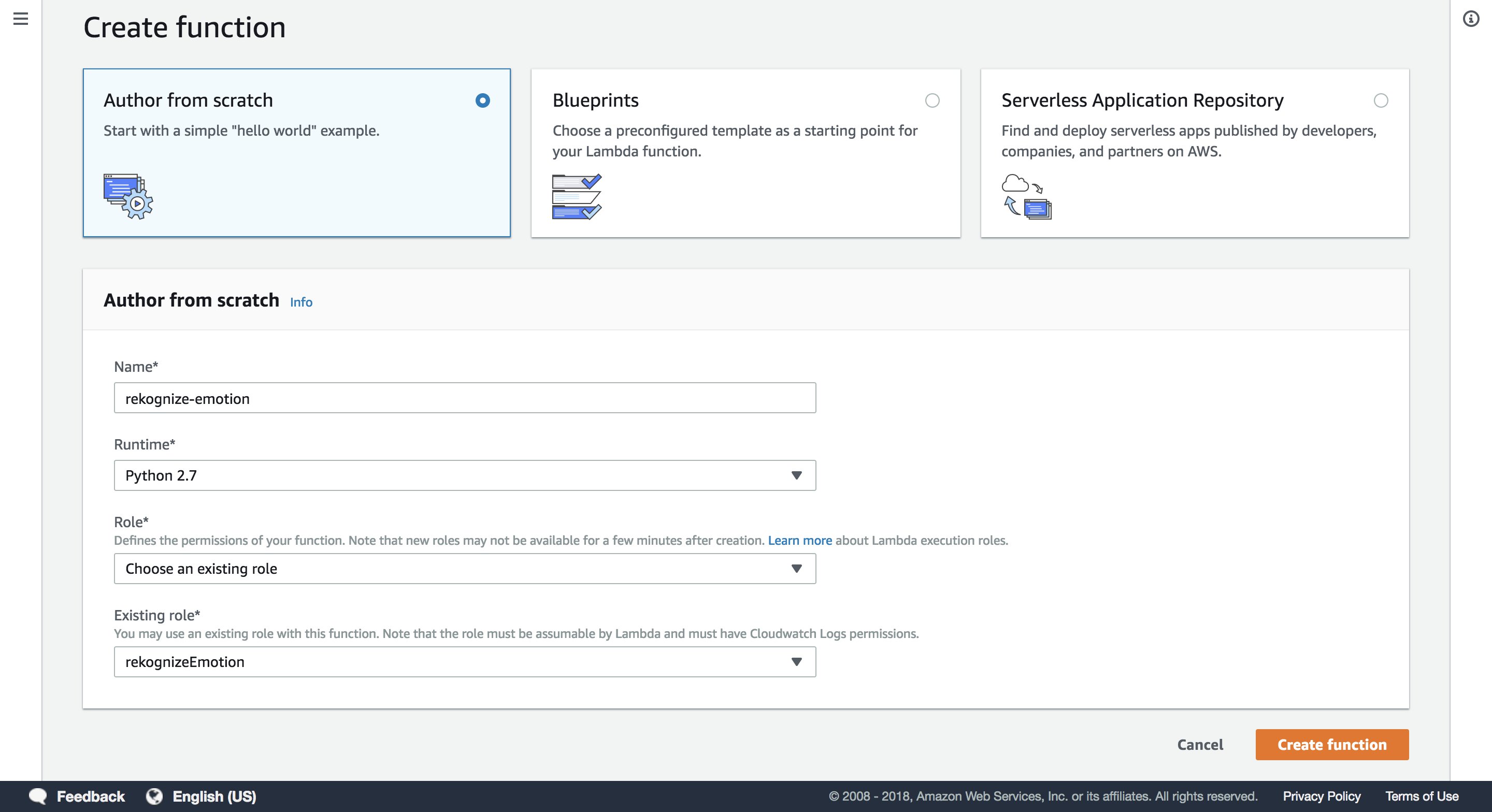
Extend the project by integrating with Amazon Rekognition

In this module, you will learn how to integrate the project with Amazon Rekognition and view the output over CloudWatch.

The inference lambda function that you deployed earlier will upload the cropped faces to your S3. On S3 upload, this new lambda function gets triggered and runs the Rekognize Emotions API by integrating with Amazon Rekognition.

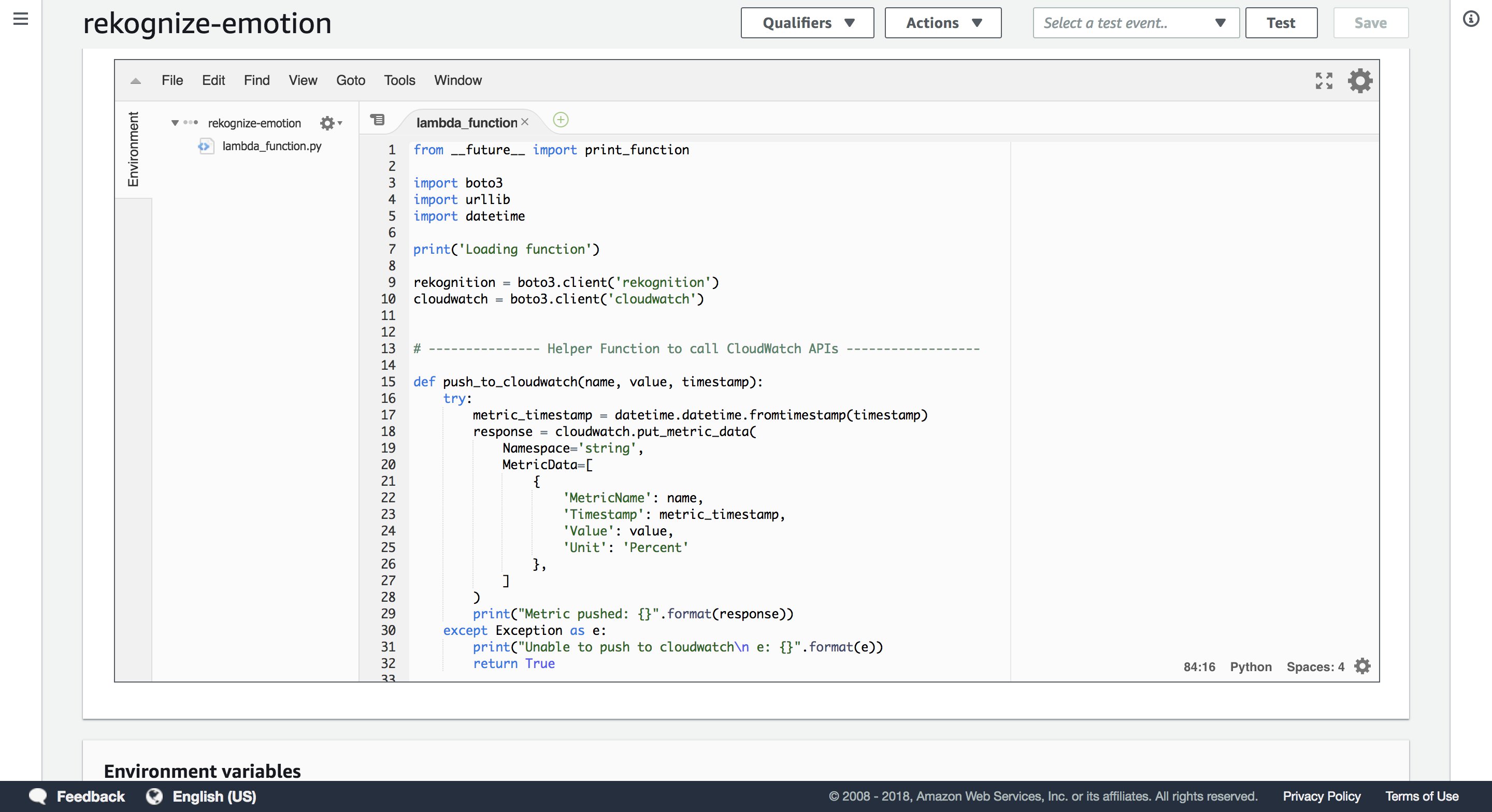
Next, we need to make the Rekognition Lambda function, using the “rekognizeEmotion” role.



Replace the default script with the script in **recognize-emotions.py (you can find it in the github repo),** which:

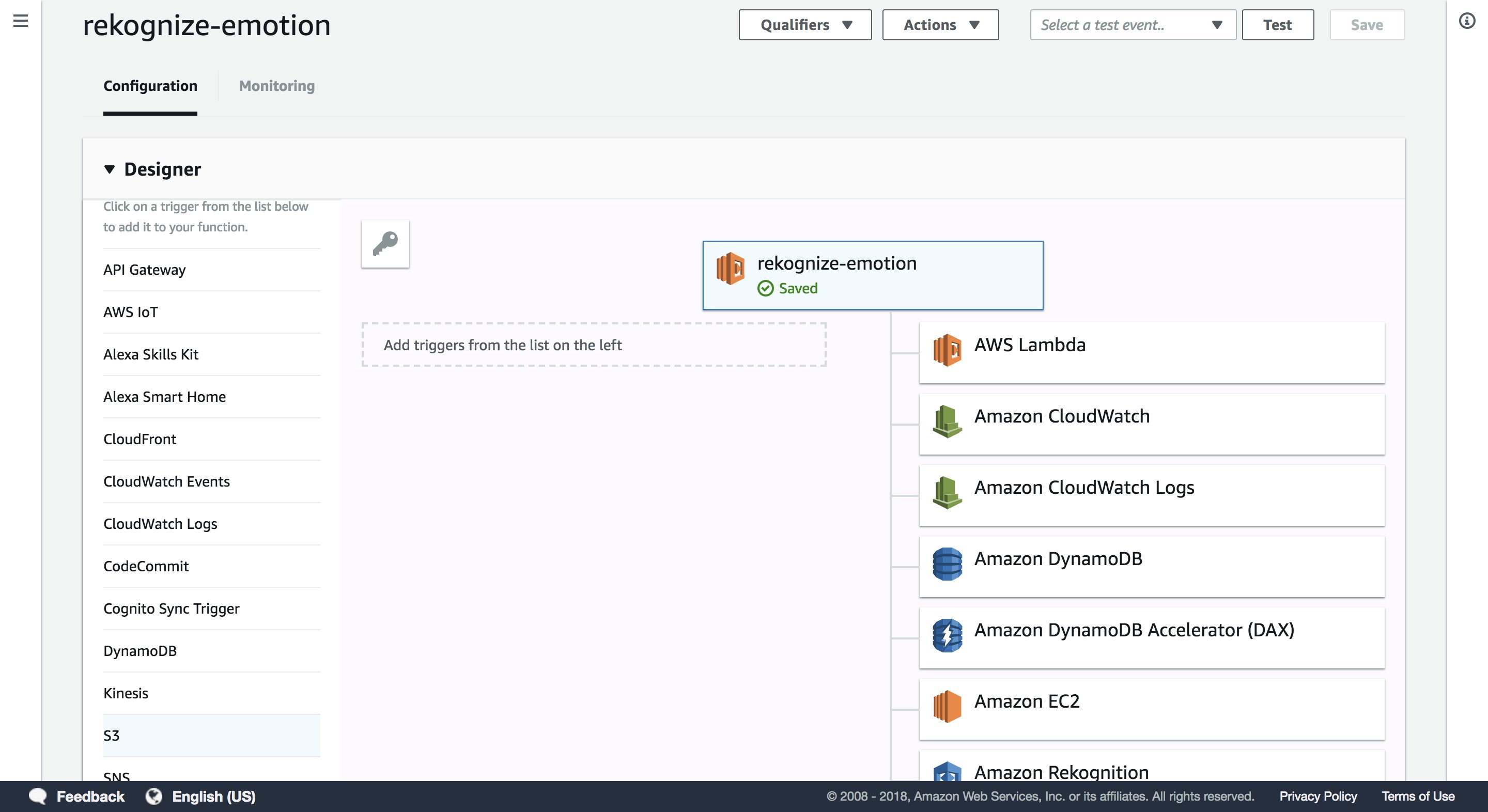
* Is triggered upon S3
* Writes metrics to CloudWatch
* Logs metrics to the DynamoDB table created earlier

Once the script is inserted:

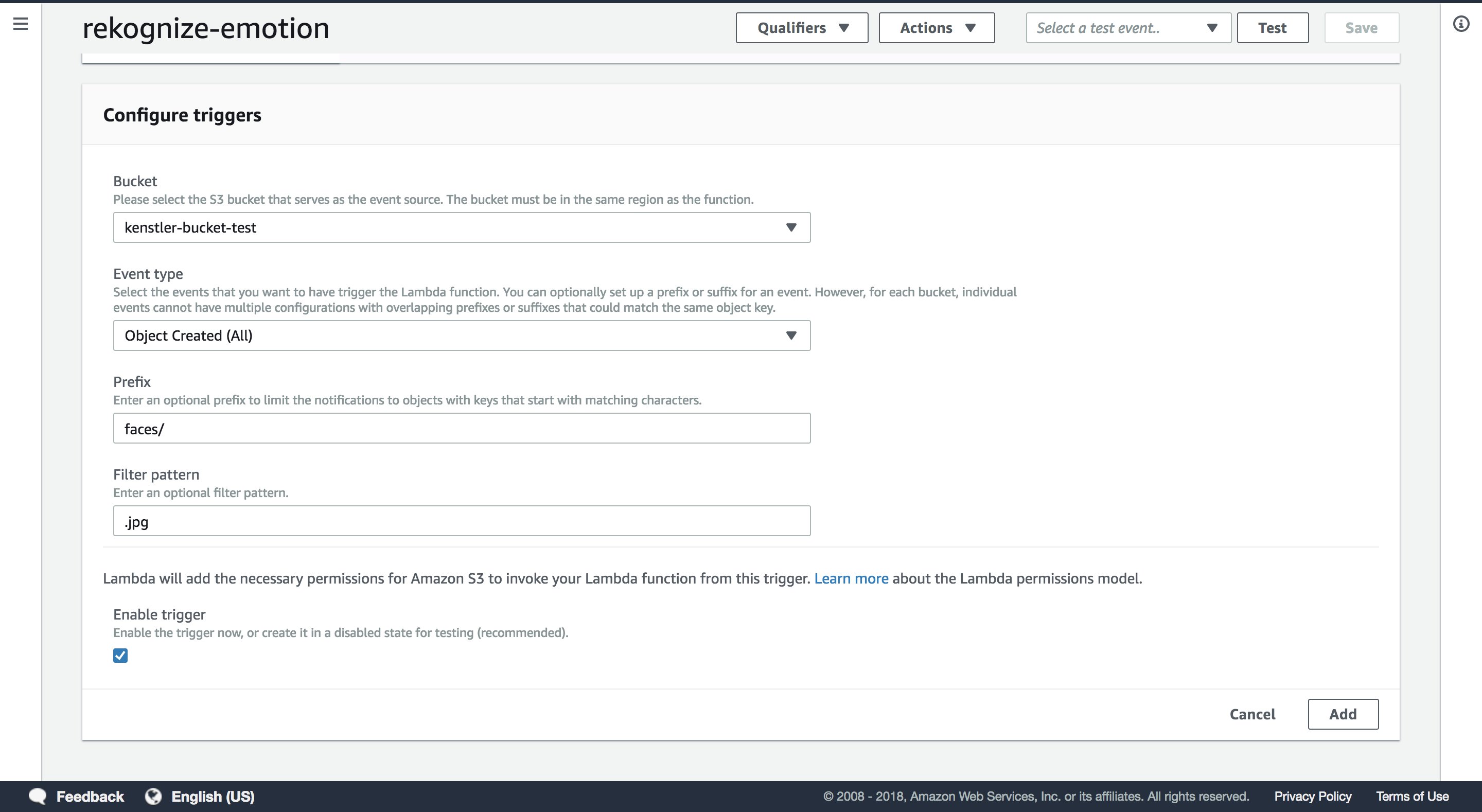


We need to add the event that triggers this lambda function. This will be an “S3:ObjectCreated” event that happens every time a face is uploaded to the face S3 bucket

Add the “S3” trigger:



With the following configuration:



replacing “kenstler-bucket-test” with your own bucket from earlier.

Once you've added the trigger, save the lambda function.

**Publish the lambda function.**