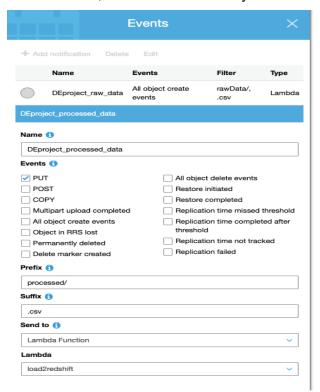
1. AWS lambda psycopg2 package:

https://github.com/qiaoqiaohejianjian/ETL--Project/tree/master/lambda redshift

2. AWS redshift and lambda configuration:

S3: after generating processed data, to trigger lambda function "load2redshift" to load data to Redshift, we set Events in my bucket's Properties:



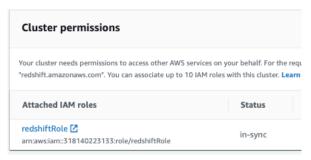
Lambda: a) wrap up code and package, and then upload in Function code -> Actions -> Upload a zip file

- b) Set Environment Variables for your redshift database information, such as: database name, host(end point), password etc.
- c) set up lambda function basic info
- d) choose same VPC as your Redshift cluster, and same subnet
- e) In Permissions: attach s3 Read-only and AWS Lambda VPC Access Execution Role policies

Redshift: a) create your cluster and store your database login information: user and password in a safe place

In your cluster -> properties, you can find more detail infomation

b) cluster permissions: attach a s3 read-only policy to the cluster



- c) for the Network and security: edit Security Group and Network ACLs, make sure related IP address can access you cluster with your database information.
- d) create an endpoint for S3 service.

3. Connect your Redshift cluster:

https://towardsdatascience.com/redshift-from-the-command-line-5d6b3233f649 https://forums.aws.amazon.com/thread.jspa?threadID=310081