**Using .boto**

1. Run start.sh

It will prompt you to enter gs\_access\_id and gs\_secret\_access\_key. I am encrypting gs\_secret\_access\_key using sha256.

The shell script then runs write\_to\_boto.py which will save these encrypted credentials to your local .boto config file as shown below:



2. Run bucket\_operations.sh

The shell script runs read\_from\_boto.py to decrypt the credentials on the fly. I have written a demo code for fetching the bucket content.

**PS: This doesn't run now because authorization to gsutil fails with 403 Access Denied error.**

from boto import storage\_uri

from gcs\_oauth2\_boto\_plugin import oauth2\_plugin

import gcs\_oauth2\_boto\_plugin

content = storage\_uri('gs://lavabucket1/?project=project1-159607/hello.txt').get\_contents\_as\_string()

print(content)

**Without Using .boto**

1. By reading the same credentials directly from downloaded file, I am able to generate successful requests.

PFA the code in gsutil\_without\_boto.py