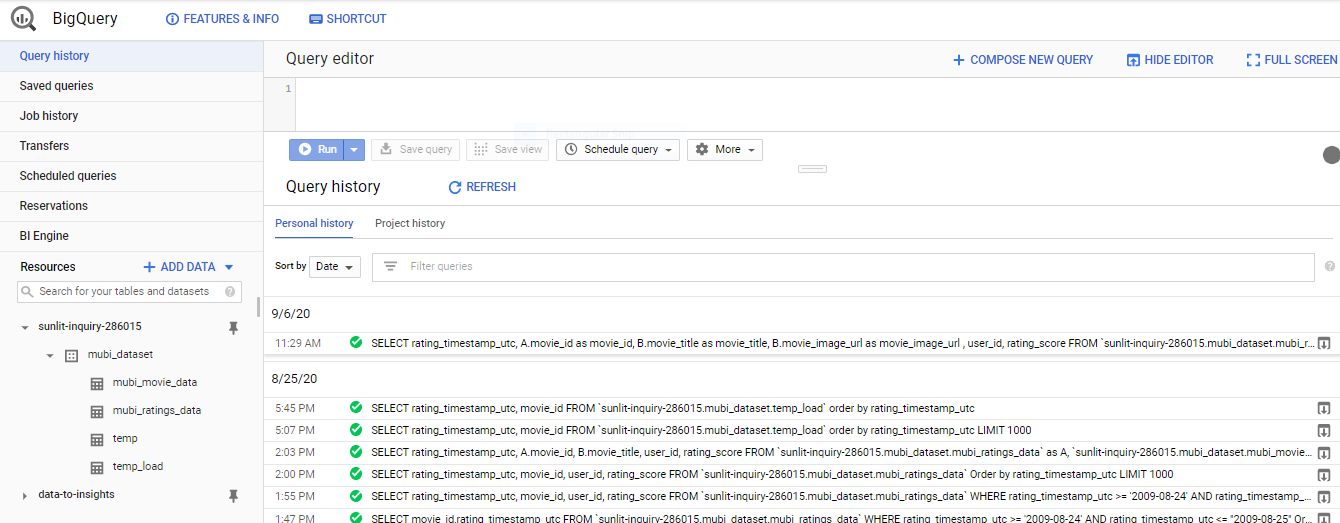
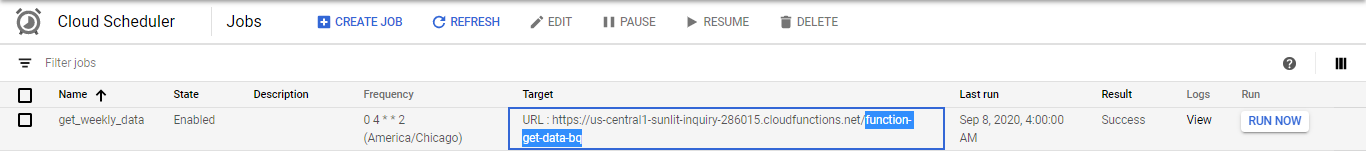
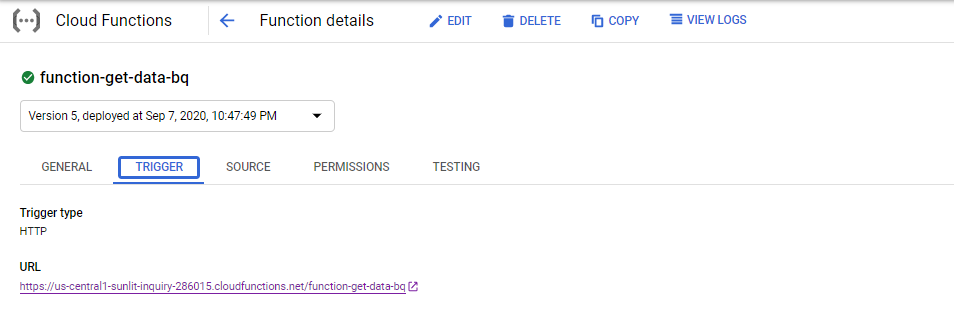
**Data Pipeline:**



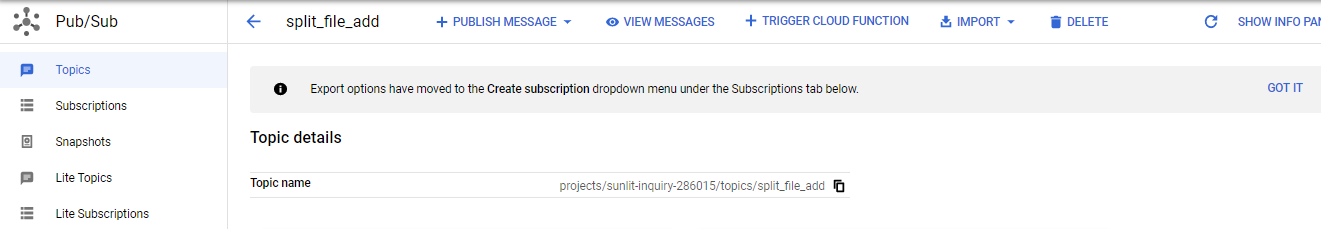
Data loaded to BigQuery

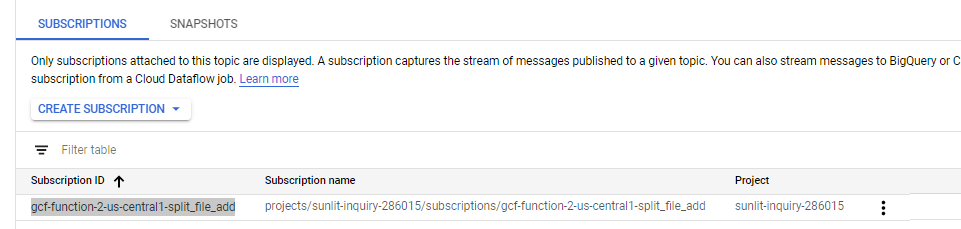


Cloud Schedular to call cloud function get-data-bq() using HTTP request

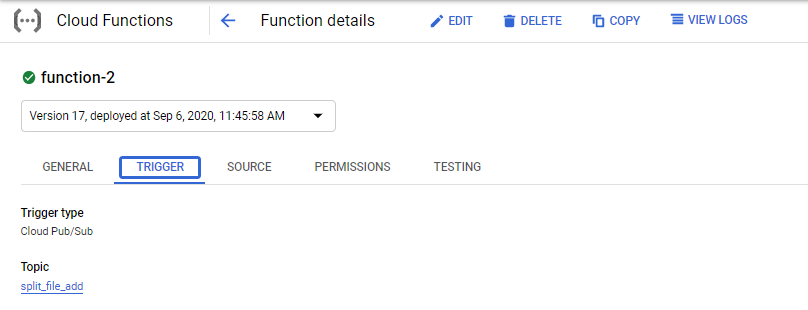


Cloud Function file name: get\_data\_bq\_function.py



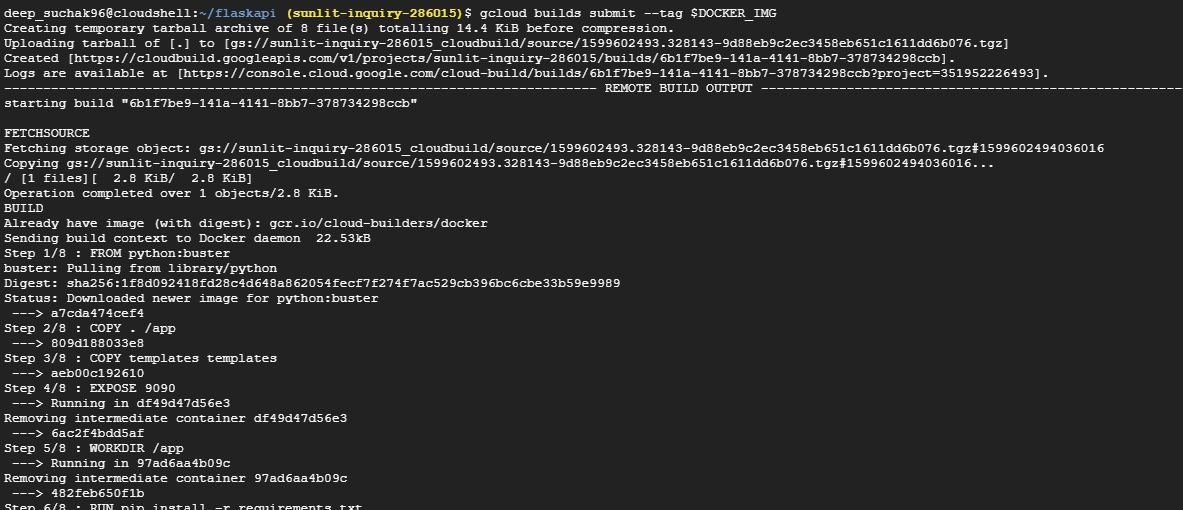


Cloud Pubsub topic trigger cloud function: function-2() when published



The cloud function trigger function-2 source code in file weekly\_data\_processor\_function.py

**FlaskAPI:**



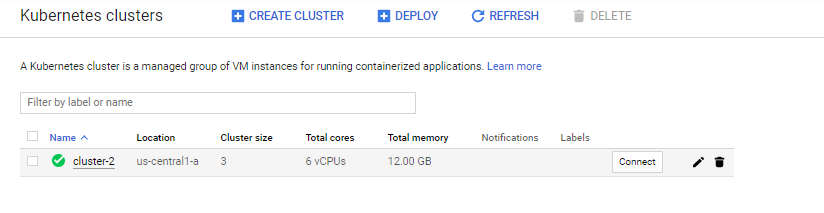
Build Container Image in Cloud Shell

Using commands:

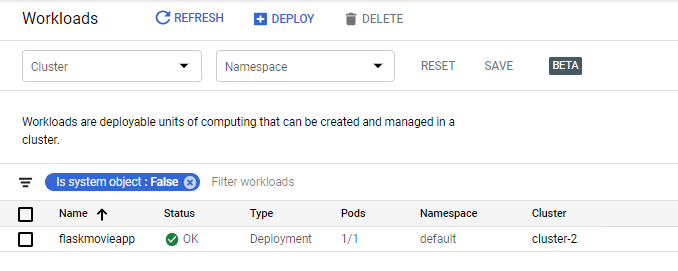
DOCKER\_IMG="us.gcr.io/sunlit-inquiry-286015/flaskapp1"

gcloud builds submit --tag $DOCKER\_IMG

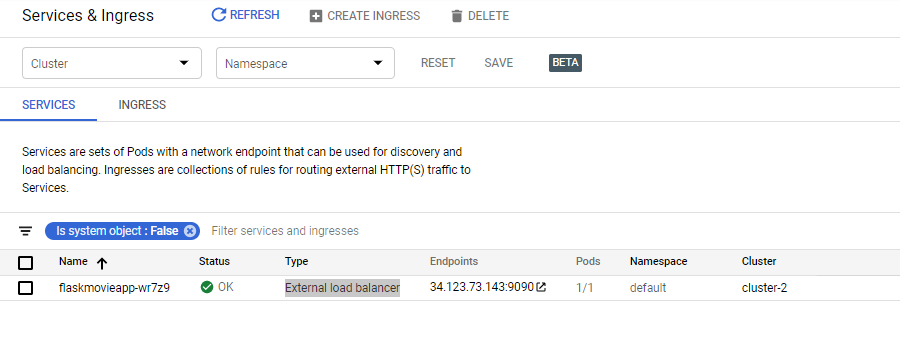
Flask\_app code in folder flaskapp



Create GKE cluster



Add workload from image



Expose workload using External load balancer