Audit logs

Each GCP service provides the ability to see the logs in the console or web UI. When we start the script which produces messages for Pub/Sub we can see the logs in the console:

```
S113/18312UB/081

128.87.214.70 - - [14/Jul/2022;20:23:12] "FUT /app HTTF/1.1" [200] 46 "http://greene.com/about/" "Mozilla/5.0 (compatible; MSIE 9.0; Windows 98; Win 9x 4.90; Trident/5.0)"
51137183644138958

100.6.1.143.193 - - [14/Jul/2022;20:23:13] "PUT /wp-content/categories HTTF/1.1" [200] 115 "http://moore.com/about.html" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_6_4) AppleWebKit/535.0 (KH TMM., like Gecko) Chrome/22.0.898.0 Safari/555.0"
511357738931942

137.77.134.99 - [14/Jul/2022;20:23:13] "GET /wp-content HTTF/1.1" [200] 325 "http://www.castaneda.com/" "Mozilla/5.0 (iPod; U; CFU iPhone OS 3_0 like Mac OS X; mai-IN) AppleWebKit/533.29.3

3 (KHTMM., like Gecko) Version/3.0.5 Mobile/8Bil6 Safari/6533.29.3"
511371983917099

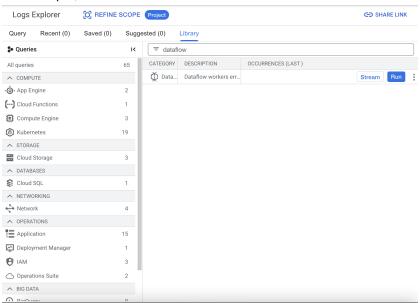
7.19.237.225 - [14/Jul/2022;20:23:17] "GET /blog HTTF/1.1" [200] 511 "http://www.hansen-smith.biz/" "Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10_12_5 rv:4.0; br-FR) AppleWebKit/535.18.6

**IKHTML like Gecko) Version/4.0.5 Safari/535.18.6"
```

Also, when we start Dataflow, we can see logs in the console as well:

Cloud Audit Logging service lets users see historical logs for any service: https://cloud.google.com/logging/docs/audit

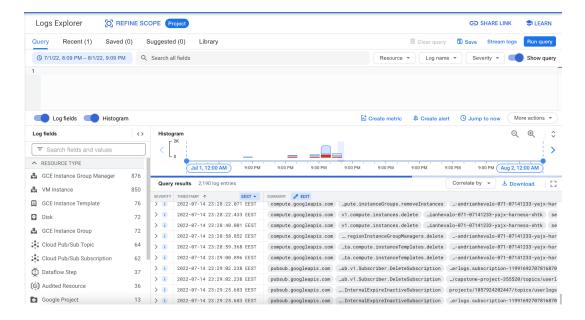
For example, we can select Dataflow:



Then, it produces the following query:



Select the date range you are interested in:



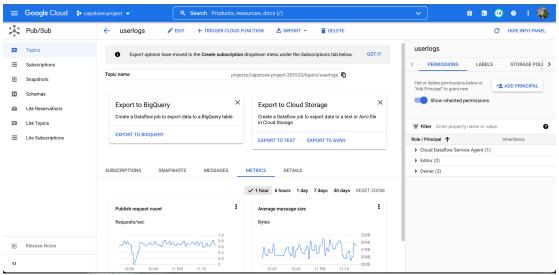
Close

Stream

Save as

Metrics

Topic metrics can be found here:



It provides data like request count, average message size, etc.

Cloud Monitoring allows seeing metrics and data diagnostics: https://cloud.google.com/monitoring/api/metrics-gcp

For example, Cloud Pub/Sub topic updates metric analysis:

