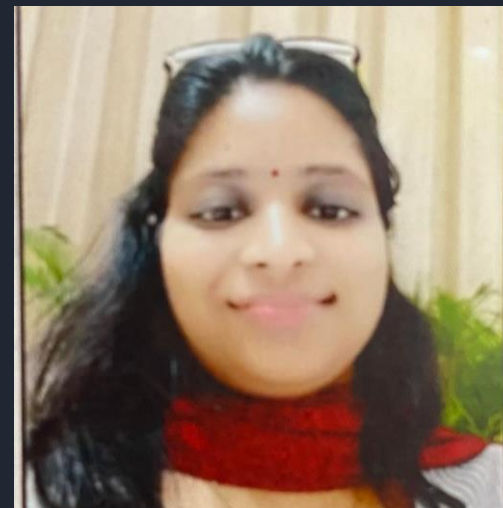


DABW Project Submission

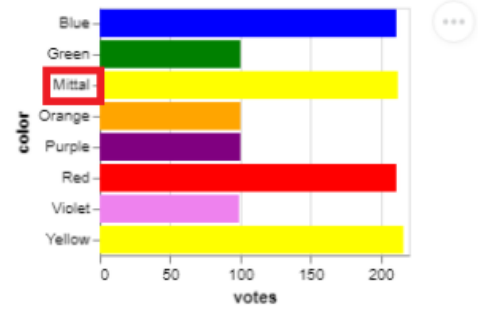
Your Name : Sachin Mittal

Email :Sachin.mittal04@gmail.com

The Date :1-Feb-2021



Sachin's most popular color



Project
Default

Workflows FlowServices APIs Connectors Configurations Deployments

Select Tags

- Sachin Mittal
- Profile
- User Management
- White Label Settings
- Log out

+ (Add Workflow)

Send Phone Spin Alarms to Pub s...
3 Runs | Updated: 3 Feb 2021

Cloud & Pub Sub icons

off

Send Measurements to Pub Sub
62 Runs | Updated: 2 Feb 2021

Cloud & Pub Sub icons

off

Test Google Pub Sub Connection
5 Runs | Updated: 2 Feb 2021

Cloud & Pub Sub icons

off

Test Google Bucket Connection
193 Runs | Updated: 2 Feb 2021

Cloud & Bucket icons

off

Write a Row to Snowflake For Eac...
12 Runs | Updated: 1 Feb 2021

Cloud, File, & Snowflake icons

off



Search

» ✂️ 📄 ✂️ 📄 </>

webMethods.io Integration Connectors

- ActiveCampaign
- Acuity Scheduling
- AddThis
- AgileApps
- Aha!
- Akamai

- Pub/Sub
- Topics
- Subscriptions
- Snapshots
- Lite Topics
- Lite Subscriptions

Topic details

Topic name `projects/deep-theorem-303516/topics/iot_data`

Export to BigQuery

Create a Dataflow job to export data to a BigQuery table.

[EXPORT TO BIGQUERY](#)

Export to Cloud Storage

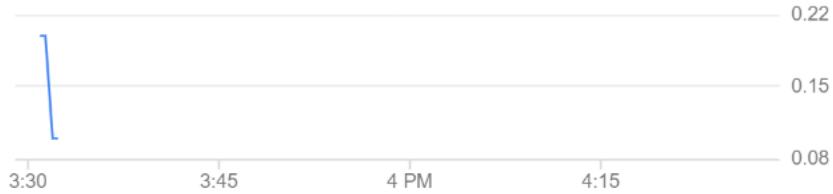
Create a Dataflow job to export data to a text or Avro file in Cloud Storage.

[EXPORT TO TEXT](#) [EXPORT TO AVRO](#)

1 hour 6 hours 1 day 7 days 30 days RESET ZOOM

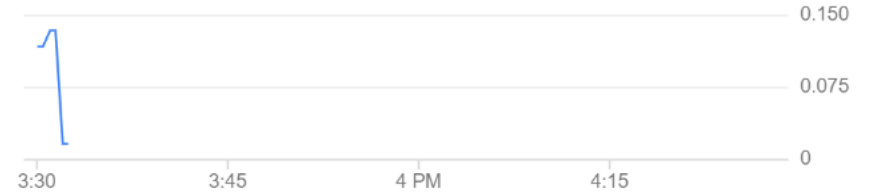
Publish message request count

Requests/sec



Publish message operation count

Operations/sec



CUMULOCITY IoT



DEVICE MANAGEMENT

« Home



S. Mittal



Home

Devices

Registration

All devices

Map

Simulators

Service monitoring

Overviews

Alarms

Device control

Events

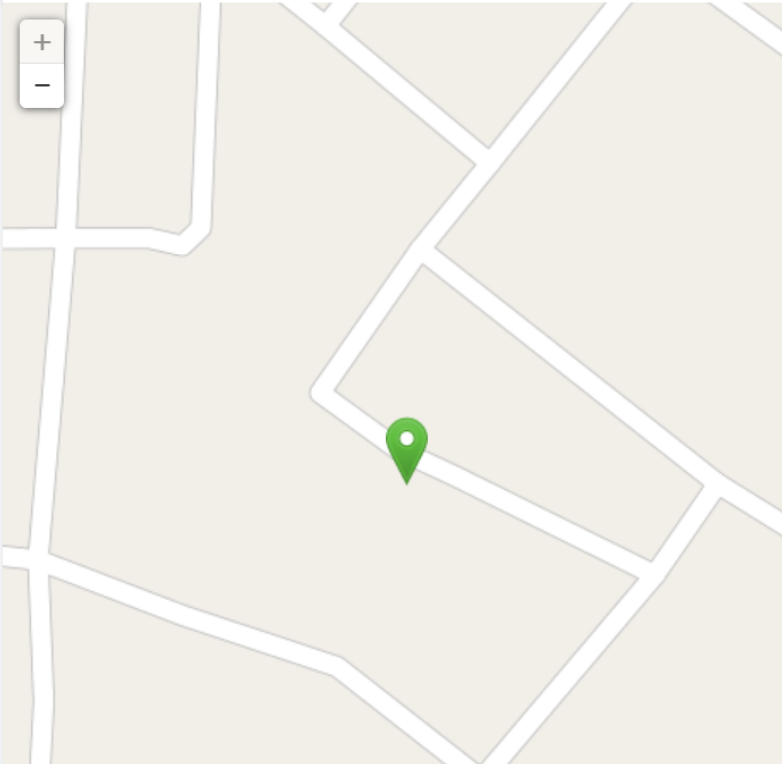
MY RECENT ALARMS

- 🚨 **OMG!!! Phone is Spinning.**
🕒 27 January 2021 15:31 📱 Redmi Note 8 Pro
- 🚨 **OMG!!! Phone is Spinning.**
🕒 27 January 2021 15:31 📱 Redmi Note 8 Pro
- 🚨 **OMG!!! Phone is Spinning.**
🕒 27 January 2021 15:31 📱 Redmi Note 8 Pro
- 🚨 **OMG!!! Phone is Spinning.**
🕒 27 January 2021 15:31 📱 Redmi Note 8 Pro

PHONE IOT GRAPH



MAP





Free trial status: ₹21,876.01 credit and 90 days remaining - with a full account, you'll get unlimited access to all of Google Cloud Platform.

75%



Reset

DISMISS

ACTIVATE



Google Cloud Platform

My Project 27060

Search products and resources



Dataflow

ps_avro_iot_data

CLONE

STOP

CREATE SNAPSHOT

LOGS

SHARE

MAX TIME

Job info



Jobs

JOB GRAPH

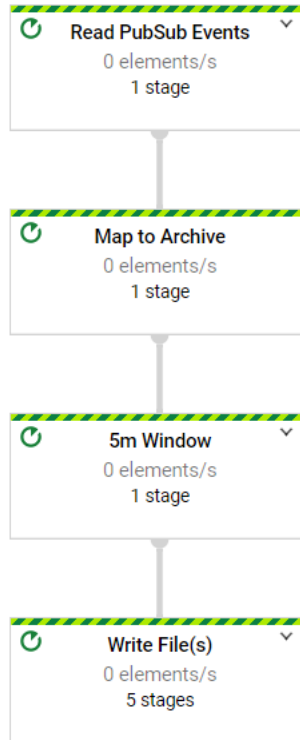
JOB METRICS



Snapshots



Notebooks



| | |
|----------------------|--|
| Job name | ps_avro_iot_data |
| Job ID | 2021-02-02_03_02_03-12932401695350561381 |
| Job type | Streaming |
| Job status | Running |
| SDK version | Apache Beam SDK for Java 2.25.0 |
| Job region | us-central1 |
| Worker location | us-central1-f |
| Current workers | - |
| Latest worker status | |
| Start time | February 2, 2021 at 4:32:04 PM GMT+5 |
| Elapsed time | 28 sec |
| Encryption type | Google-managed key |

Resource metrics

| | |
|-------------------|-----------|
| Current vCPUs | - |
| Total vCPU time | - vCPU hr |
| Current memory | - |
| Total memory time | - GB hr |
| Current HDD PD | - |
| Total HDD PD time | - GB hr |
| Current SSD PD | - |
| Total SSD PD time | - GB hr |

<|

Logs



Storage

Bucket details

REFRESH LEARN

Browser

Monitoring

Settings

my_snowflake_bucket

OBJECTS CONFIGURATION PERMISSIONS RETENTION LIFECYCLE

Buckets > my_snowflake_bucket > **iot_files**

UPLOAD FILES UPLOAD FOLDER CREATE FOLDER MANAGE HOLDS DOWNLOAD DELETE

Filter by name prefix only Filter Filter objects and folders

| <input type="checkbox"/> | Name | Size | Type | Created time ? | Storage class | Last modified | Public access ? | Encryption ? | Retention expiration date ? | Holds ? |
|--------------------------|--------------------------|-------|--------------------------|--------------------|---------------|---------------|-----------------|--------------------|-----------------------------|---------|
| <input type="checkbox"/> | iot_files_sample_output. | 917 B | application/octet-stream | Feb 1, 2021, 10... | Standard | Feb 1, 202... | Not public | Google-managed key | – | None |
| <input type="checkbox"/> | output2021-02-02T09:5f | 470 B | application/octet-stream | Feb 2, 2021, 3:... | Standard | Feb 2, 202... | Not public | Google-managed key | – | None |
| <input type="checkbox"/> | output2021-02-02T09_5 | 470 B | application/octet-stream | Feb 2, 2021, 4:... | Standard | Feb 2, 202... | Not public | Google-managed key | – | None |
| <input type="checkbox"/> | temp/ | – | Folder | – | – | – | – | – | – | – |

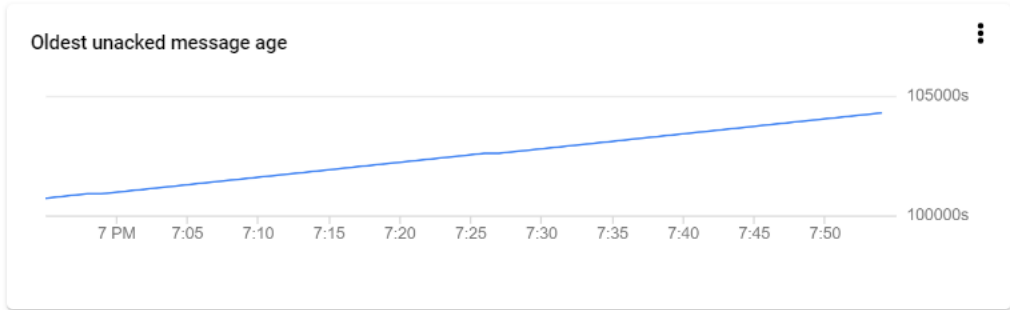
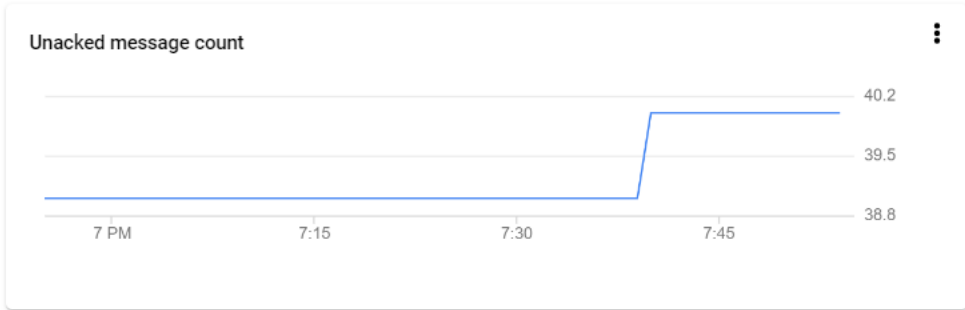
- Pub/Sub
- Topics
- Subscriptions**
- Snapshots
- Lite Topics
- Lite Subscriptions

Subscription details

Subscription name [projects/deep-theorem-303516/subscriptions/iot_data-sub](#)

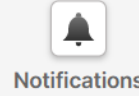
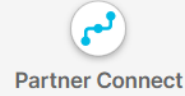
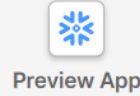
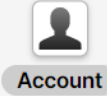
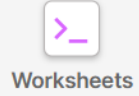
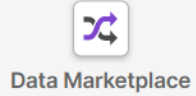
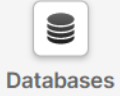
Topic name [projects/deep-theorem-303516/topics/iot_data](#)

1 hour 6 hours 1 day 7 days 30 days RESET ZOOM



| | |
|------------------------------|--|
| Delivery type | Pull |
| Subscription expiration ? | Subscription expires in 31 days if there is no activity. |
| Acknowledgement deadline ? | 10 Seconds |
| Subscription filter ? | - |
| Message retention duration | 7 Days |
| Retain acknowledged messages | No |
| Message ordering ? | Disabled |
| Dead lettering ? | Disabled |
| Retry policy ? | Retry immediately |

Enjoy your free trial! [visit our documentation](#) to learn more about using Snowflake or [contact our support team](#) with any questions.



SACHINGCPBADGE
ACCOUNTADMIN

Account

- Usage
- Billing
- Users
- Roles
- Policies
- Sessions
- Resource Monitors
- Reader Accounts

XF32285 - Usage

February 2021 (local) ▼

Warehouses Credits Used

2 4.65

Average Storage Used

2.708 KB

Data Transfer

0 B

Usage by Day - All Warehouses

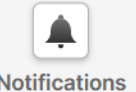
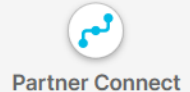
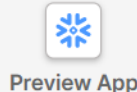
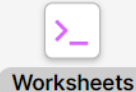
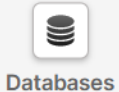
Download

| Warehouse Name | Credits Used |
|---------------------|--------------|
| COMPUTE_WH | 4.65 |
| SNOWPIPE | 0.00 |
| CLOUD_SERVICES_ONLY | 0.00 |



| Date | Credits Used |
|-------|--------------|
| Feb 1 | 1.01 |
| Feb 2 | 3.64 |
| Feb 3 | 0 |
| Feb 4 | 0 |
| Feb 5 | 0 |
| Feb 6 | 0 |
| Feb 7 | 0 |
| Feb 8 | 0 |

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SACHINGCPBADGE
ACCOUNTADMIN

✓ New Worksheet

✗ New Worksheet



Find database objects



▶ Run All Queries | Saved 0 seconds ago

ACCOUNTADMIN COMPUTE_WH (XS) DEMO_DB PUBLIC

Starting with...

- DEMO_DB
 - INFORMATION_SCHEMA
 - PUBLIC
 - Tables
 - IOT_AVRO_DATA
 - SIMULATED_TEMPS
 - TEST
- No Views in this Schema
- SNOWFLAKE
- SNOWFLAKE_SAMPLE_DATA
- UTIL_DB

```

1 select * from IOT_AVRO_DATA
2
3 CREATE STORAGE INTEGRATION GCP_INT
4 TYPE = EXTERNAL_STAGE
5 STORAGE_PROVIDER = GCS
6 ENABLED = TRUE
7 STORAGE_ALLOWED_LOCATIONS = ('gcs://my_snowflake_bucket/iot_files/');
8
9 SELECT SYSTEM$PIPE_STATUS('MYSNOWPIPE')
10
11

```

Results Data Preview

← Open History

| Query ID | SQL | 14ms |
|----------|-----|------|
| | | |

| Row | SYSTEM\$PIPE_STATUS('MYSNOWPIPE') |
|-----|---|
| 1 | {"executionState": "RUNNING", "pendingFileCount": 0, "notificationChannelName": "projects/iotsnowflake/subscriptions/get_updated_file_info", "numOutstandingMessagesOnChannel": 1, "lastReceivedMessageTimesta... |

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Databases Shares Data Marketplace Warehouses **Worksheets** History Account Preview App Partner Connect Help Notifications **SACHINGCPBADGE**
ACCOUNTADMIN

< ✓ New Worksheet ✓ New Worksheet + ▾

Find database objects ↺ ↻

Starting with...

- DEMO_DB
 - INFORMATION_SCHEMA
 - PUBLIC
 - Tables
 - IOT_AVRO_DATA
 - SIMULATED_TEMPS
 - TEST
- No Views in this Schema
- SNOWFLAKE
- SNOWFLAKE_SAMPLE_DATA

▶ Run All Queries | Saved 1 minute ago ACCOUNTADMIN COMPUTE_WH (XS) DEMO_DB PUBLIC ⋮

```
1 select * from IOT_AVRO_DATA
2
3 CREATE STORAGE INTEGRATION GCP_INT
4 TYPE = EXTERNAL_STAGE
5 STORAGE_PROVIDER = GCS
6 ENABLED = TRUE
7 STORAGE_ALLOWED_LOCATIONS = ('gcs://my_snowflake_bucket/iot_files/');
8
9 SELECT SYSTEM$PIPE STATUS('MYSNOWPIPE')
```

Results Data Preview ← Open History

✓ Query_ID SQL 42ms 65 rows

Details

```
1 {
2   "attributes": {
3     "alarm_message": "OMG!!! Phone is Spinning."
4   },
5   "message": "",
6   "timestamp": 1611621222132
7 }
```

Done