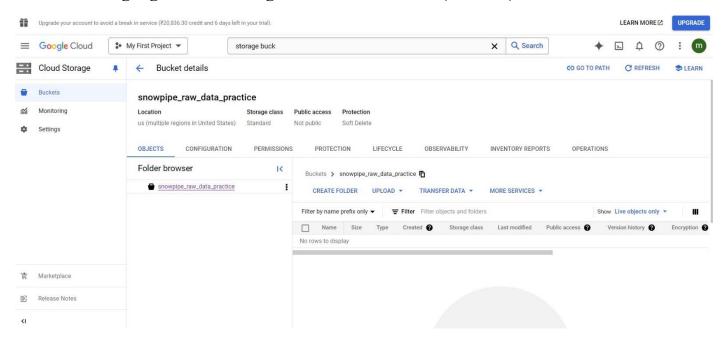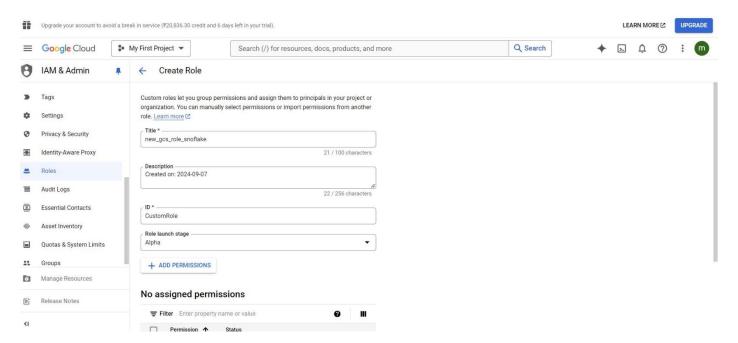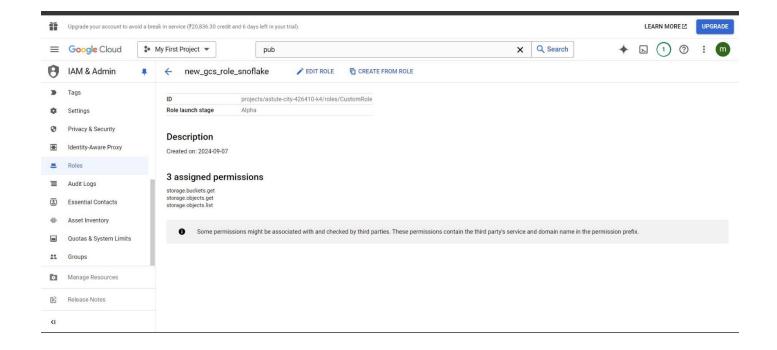# Automated orders data pipeline: GCS to Snowflake

1. Create google cloud storage bucket to load data(csv files)
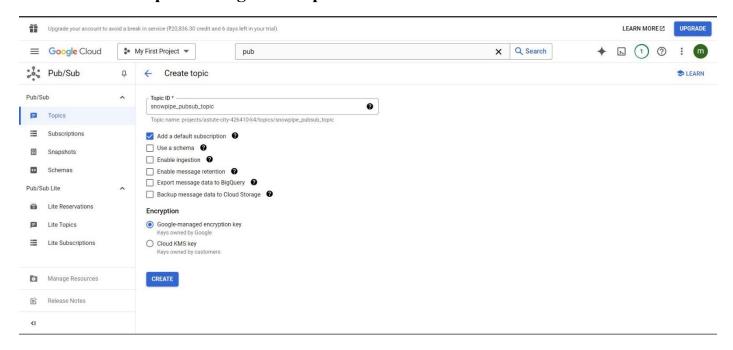

2. Create role to assign some permissions to gcs bucket when connecting with Snowflake
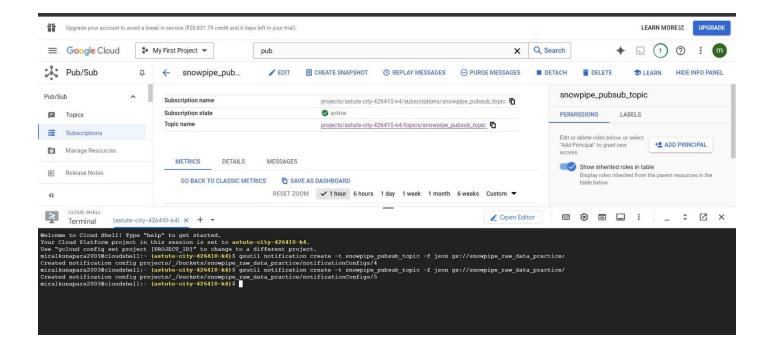
3. Create a topic in Google cloud pub-sub

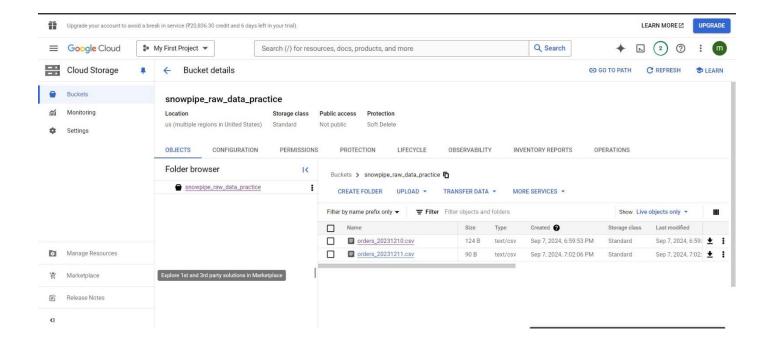## 4. Create a subscription to consume message when file loaded in gcs and create messages notification which contain all the details of file's metadata and objects using Active Colud Shell
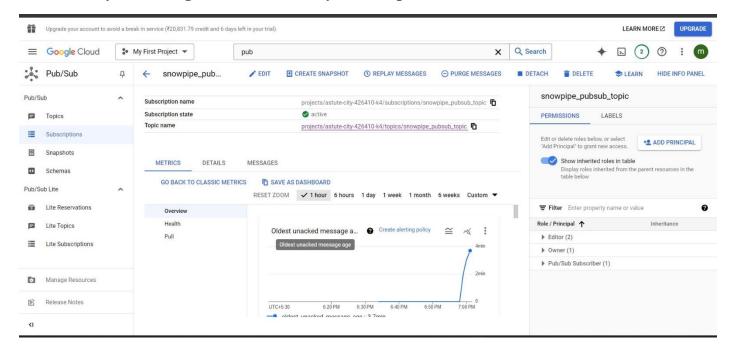
5. Create another permission for monitoring pub-sub

6. Load csv files into bucket

7. Analyze messages is consumed by subscription

8. Check the data is loaded in snowflake order_data_lz table

```
70    select system$pipe_status('gcs_to_snowflake_pipe');
71
72    -- Check the history of ingestion
73    Select *
74    from table(information_schema.copy_history(table_name=>'order_data_lz', start_time=> dateadd(hours, -1,
      current_timestamp())));
75
76    -- Terminate a pipe
77    drop pipe gcs_snowpipe;
78
79
80    --select data
81    select * from order_data_lz ;
82
```

	ORDER_ID	PRODUCT	QUANTITY	ORDER_STATUS	ORDER_DATE
1	1	Keyboard	2	Completed	2023-08-07
2	2	Mouse	1	Pending	2023-08-07
3	3	Monitor	1	Completed	2023-08-07
4	4	Laptop	1	Failed	2023-08-07

Query Details

Query duration   697ms

Rows   4

Query ID   01b6df4b-0002-d3e5-0...

Show more