

How to Set up Big Query?

Table of content

- Creating a project
- Creating a DataBase
- Uploading Tables
- Running queries

1. Make sure you are logged into your gmail account and Go to big Query by clicking on this link <https://cloud.google.com/bigquery>

BigQuery

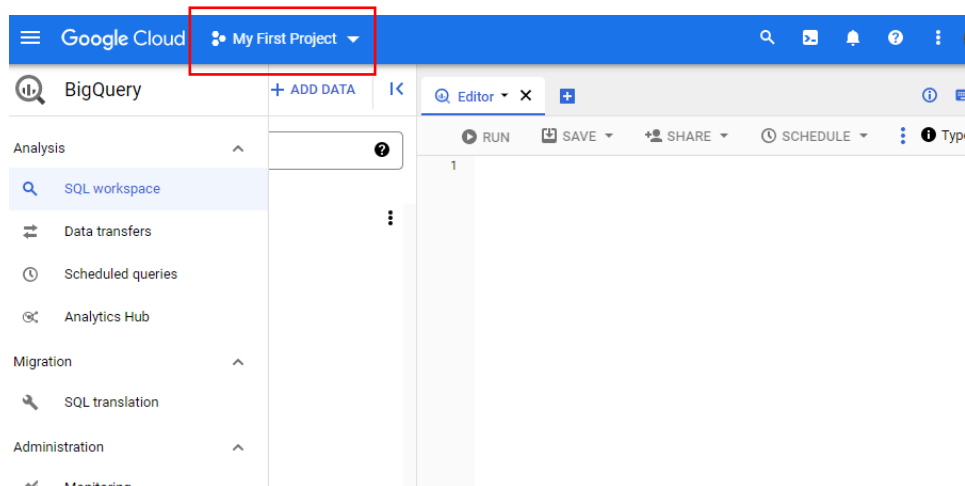
Serverless, highly scalable, and cost-effective multicloud data warehouse designed for business agility.

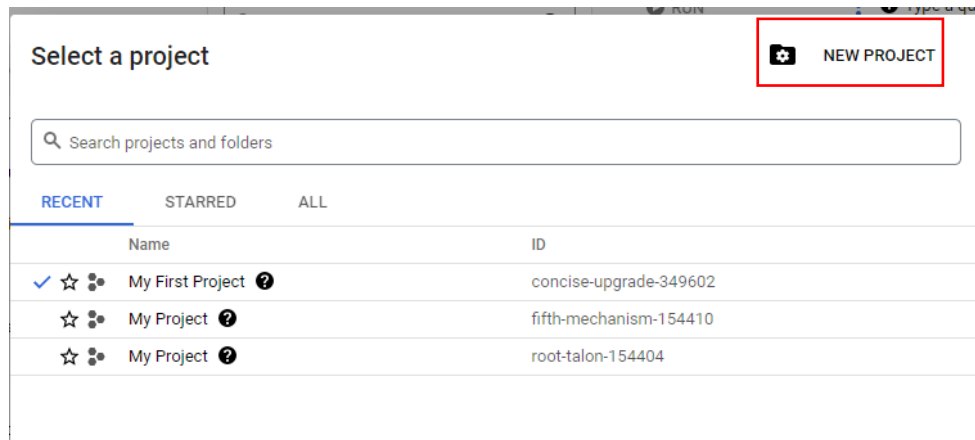
New customers get \$300 in free credits to spend on BigQuery. All customers get 10 GB storage and up to 1 TB queries free per month, not charged against their credits.

Go to console

Contact sales

2. Click on “Go to console”
3. Click on “My first projects” and “New Project”





4. Give a name to your project and No organization under location and click create.

Project name *
Scaler-DSML-SQL ?

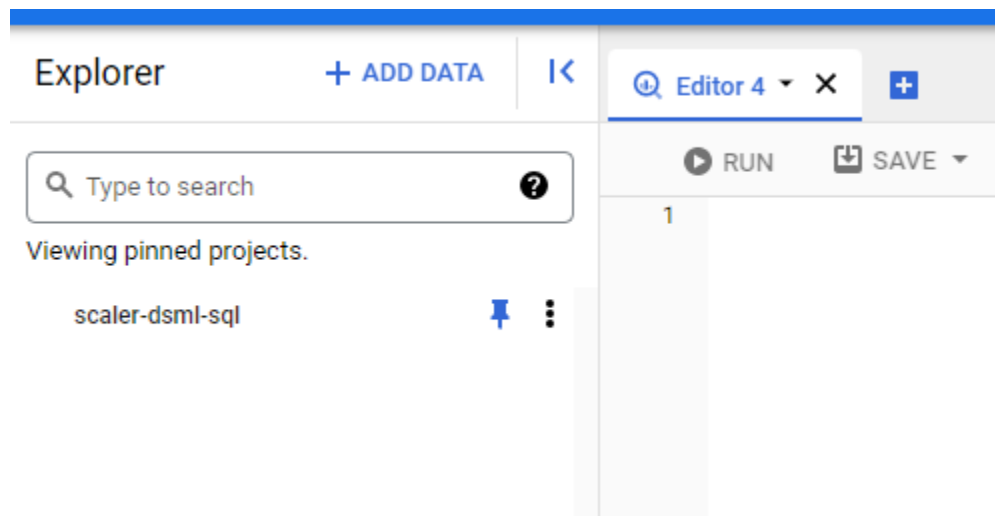
Project ID: scaler-dsml-sql. It cannot be changed later. [EDIT](#)

Location *
No organisation BROWSE

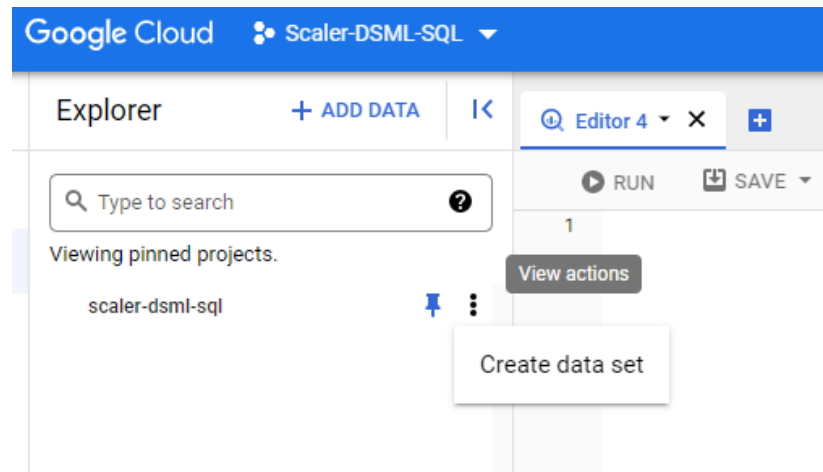
Parent organisation or folder

CREATE CANCEL

5. It might take few seconds to mins to create.



6. Once done you should be able to see the project you just created under the explorer.
7. Click on the 3 dots and "create data set"



- The dataset ID is going to be the name of your DB. So we are going to be naming it as “farmers_market” and chose a location that is closest to your region (I chose Mumbai) and click create data set

Create data set

Project ID
scaler-dsml-sql [CHANGE](#)

Data set ID *
farmers_market
Letters, numbers and underscores allowed

Data location
asia-south1 (Mumbai) [?](#)

Default table expiry

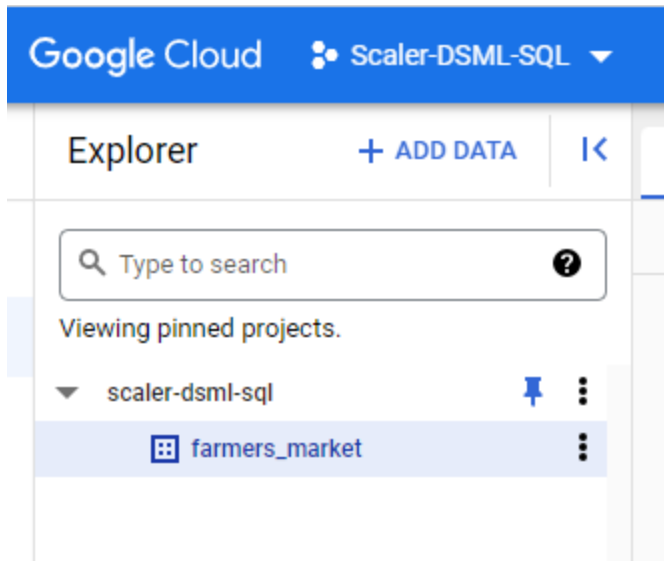
☐ Enable table expiry [?](#)

Default maximum table age Days

Advanced options [v](#)

[CREATE DATA SET](#) [CANCEL](#)

- Now you can see the Database name under your project

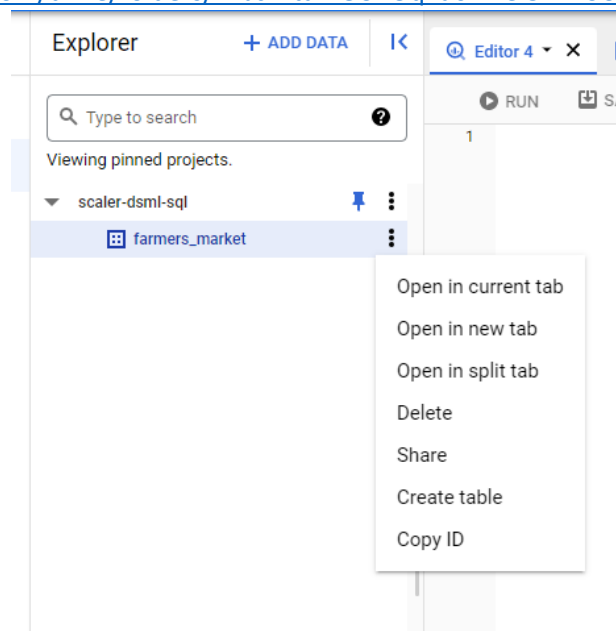


10. The DataBase is empty with no tables in it. We will have to upload all the tables that are required to run our queries. For the farmers_market DB we will have to upload all the tables that was shared as a csv file

11. Adding tables to the DB

Download all the tables that are required from google drive.

<https://drive.google.com/drive/folders/1PJcWtaI2GUYOqYa6mLei8zNnSC83MkVR>



- Click on the 3 dots and select "Create table"
- Select "Upload" under the "Create table from"
- Upload the first table (i.e. product.csv as one of the table in the picture). File Format gets detected automatically

- d. Destination: Project and Dataset will be auto-populated, So don't have to make any changes
- e. Under the "Table", give the name of the table name. Please keep it same as the filename you upload (i.e. product).
- f. Check the Auto-detect checkbox under "Schema".
- g. We don't have to make any other changes and click "create Table"

Create table

Source

Create table from
Upload

Select file *
product.csv X BROWSE ?

File format
CSV

Destination

Project *
scaler-dsml-sql BROWSE

Data set *
farmers_market

Table *
product
Unicode letters, marks, numbers, connectors, dashes or spaces allowed.

Table type
Native table

Schema

☒ Auto-detect

Schema will be automatically generated.

Partition and cluster settings

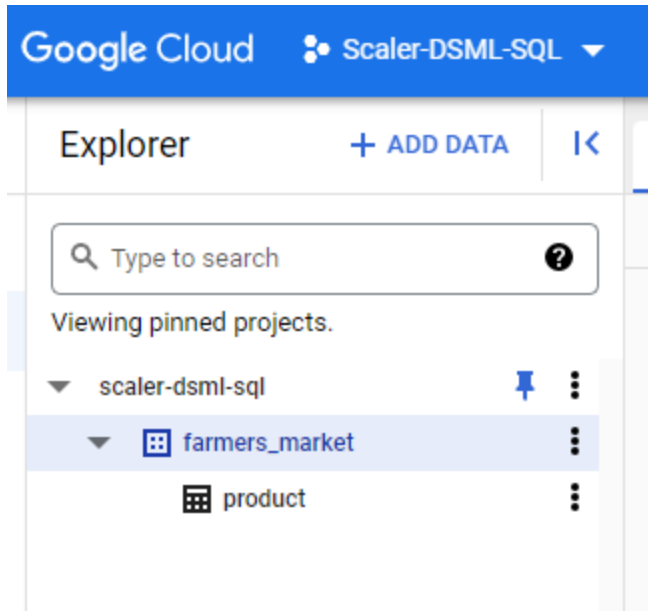
Partitioning
No partitioning

Clustering order
Clustering order determines the sort order of the data. Clustering can be used on both partitioned and non-partitioned tables.

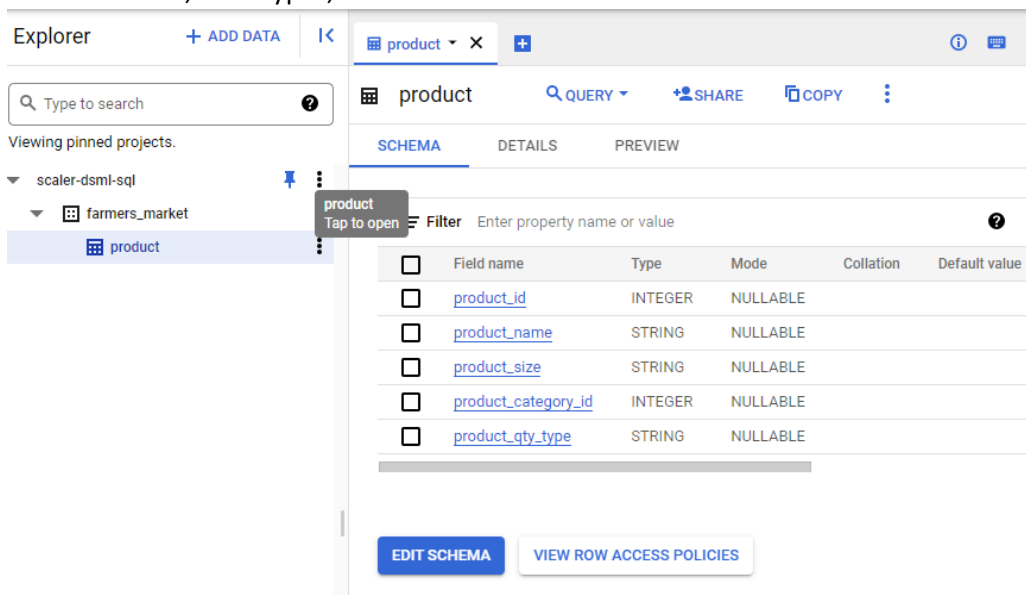
CREATE TABLE

CANCEL

12. It might take a few seconds to create and you should be able to see the uploaded table in the Explorer under DB farmers_market



13. We will have to upload all the other tables that are required to run all the queries. Please follow the step 11 for each table that you want to upload.
14. When you click on the table you should be able to see the schema of the table, i.e all the names of the columns, their types, Nullable etc.



15. Under "Preview" you can have a quick look at the data

Explorer

+ ADD DATA

<

product

+

?

Type to search

?

Viewing pinned projects.

▼ scaler-dsml-sql

▼ farmers_market

product

product

QUERY

SHARE

COPY

SCHEMA

DETAILS

PREVIEW

Row	product_id	product_name	product_size	pr
1	1	Habanero Peppers - Organic	medium	
2	2	Jalapeno Peppers - Organic	small	
3	9	Sweet Potatoes	medium	
4	13	Baby Salad Lettuce Mix	1 lb	
5	17	Carrots	sold by weight	
6	22	Roma Tomatoes	medium	
7	14	Red Potatoes	null	
8	15	Red Potatoes - Small		
9	3	Poblano Peppers - Organic	large	
10	12	Baby Salad Lettuce Mix - Bag	1/2 lb	
11	16	Sweet Corn	Ear	
12	18	Carrots - Organic	bunch	

16. You can start writing queries by clicking on the “Query” drop down on either a tab or split view.

Explorer

+ ADD DATA

<

product

+

?

Type to search

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▼ scaler-dsml-sql

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In new tab

In split tab

Explorer

+ ADD DATA

<

Type to search

?

Viewing pinned projects.

▼ scaler-dsml-sql

▼ farmers_market

product

product

*Unsaved ...y 5

+ RUN

1 SELECT * FROM farmers_market.product LIMIT 1000

Press Alt+F1 for accessibility options

Query results

SAVE RESULTS

EXPLORE DATA

JOB INFORMATION

RESULTS

JSON

EXECUTION DETAILS

Row	product_id	product_name	product_size	pi
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7	14	Red Potatoes	null	
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Results per page: 50 1 - 23 of 23