

How to Set up Big Query?

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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/docs/sandbox>

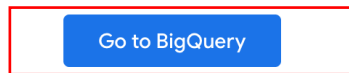
and click on the “Go to **BigQuery**”

Get started with the sandbox

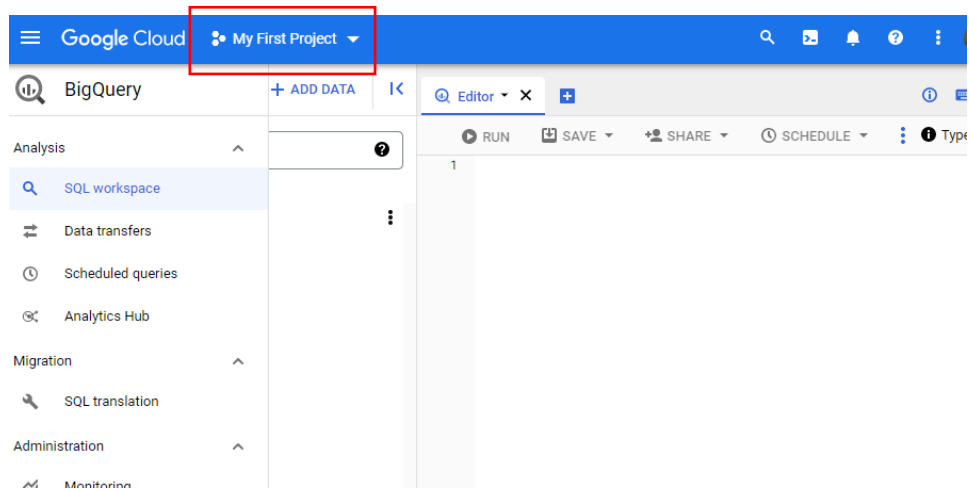
The BigQuery sandbox is available to anyone with a Google Account. If you are a Firebase user, see [Link BigQuery to Firebase](#) in the Firebase Help for instructions on linking Firebase to BigQuery.

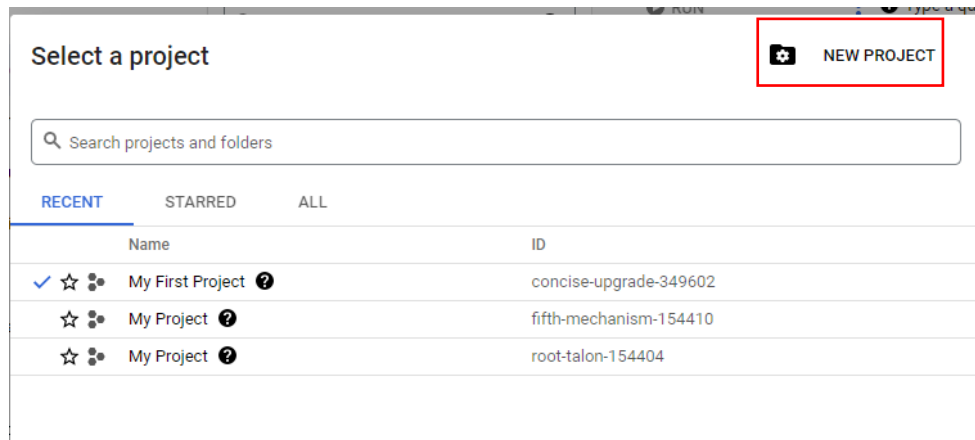
To open the sandbox, follow these steps:

1. In the Google Cloud console, open the **BigQuery** page.



2. Click on “My first projects” and “New Project”





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

Project name *
 Scaler-DSML-SQL ?

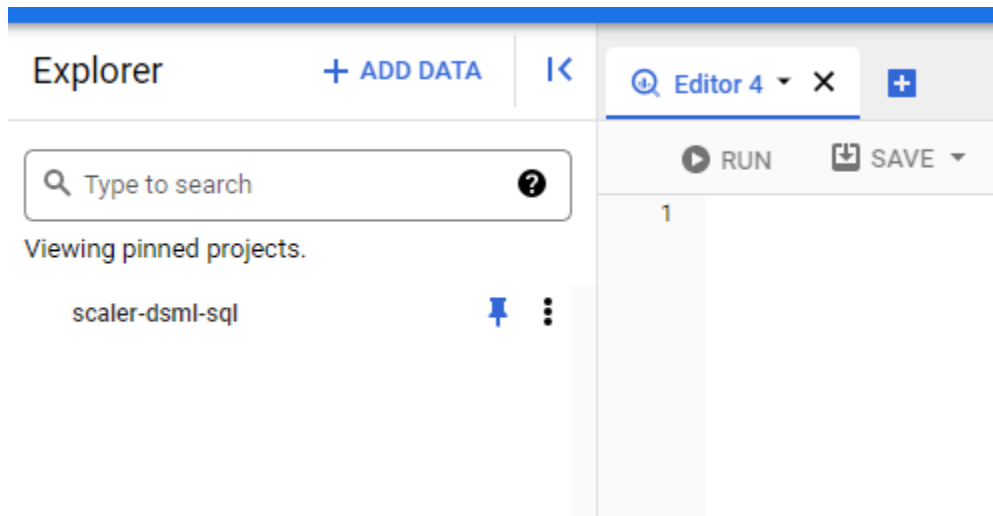
Project ID: scaler-dsml-sql. It cannot be changed later. [EDIT](#)

Location *
 No organisation BROWSE

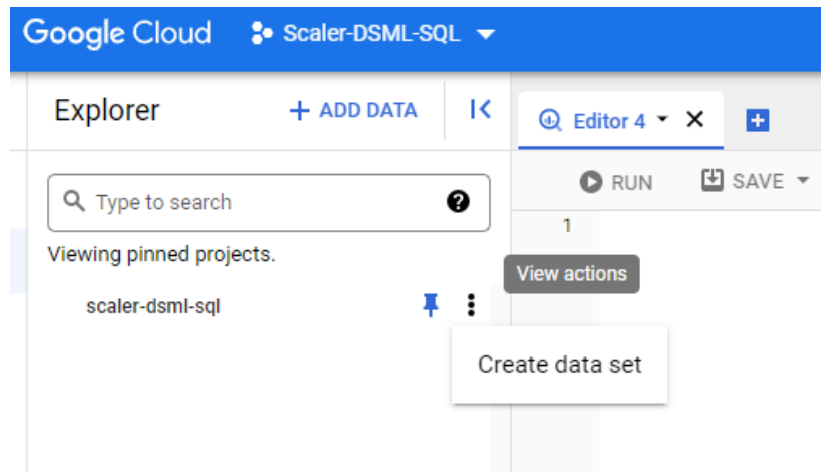
Parent organisation or folder

CREATE CANCEL

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



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



7. 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

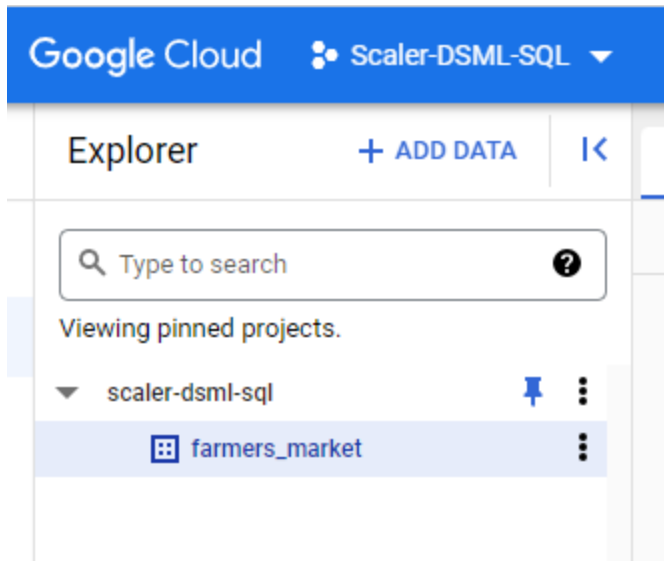
Data location
asia-south1 (Mumbai) ▼ ⓘ

Default table expiry
☐ Enable table expiry ⓘ
 Default maximum table age Days

Advanced options ▼

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

8. Now you can see the Database name under your project

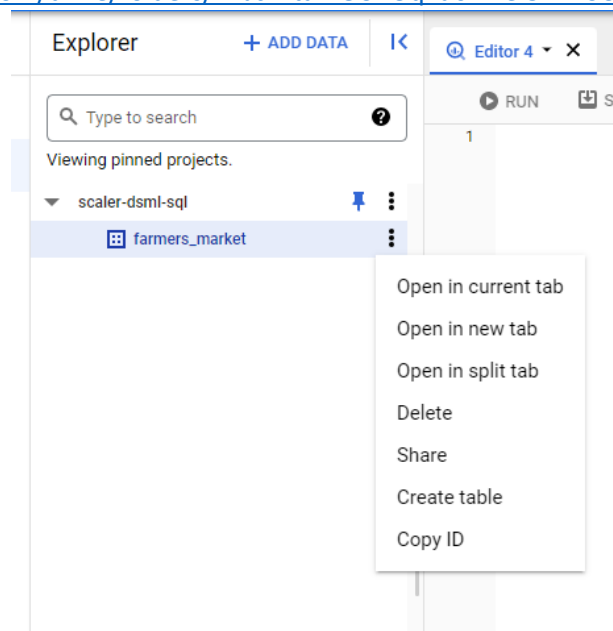


9. The DataBase is empty with no tables in it. We will have to upload all the tables that are required to run our queries. For the farmers_market DB we will have to upload all the tables that was shared as a csv file

10. Adding tables to the DB

Download all the tables that are required from google drive.

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



- a. Click on the 3 dots and select "Create table"
- b. Select "Upload" under the "Create table from"
- c. 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

i Schema will be automatically generated.

Partition and cluster settings

Partitioning
No partitioning

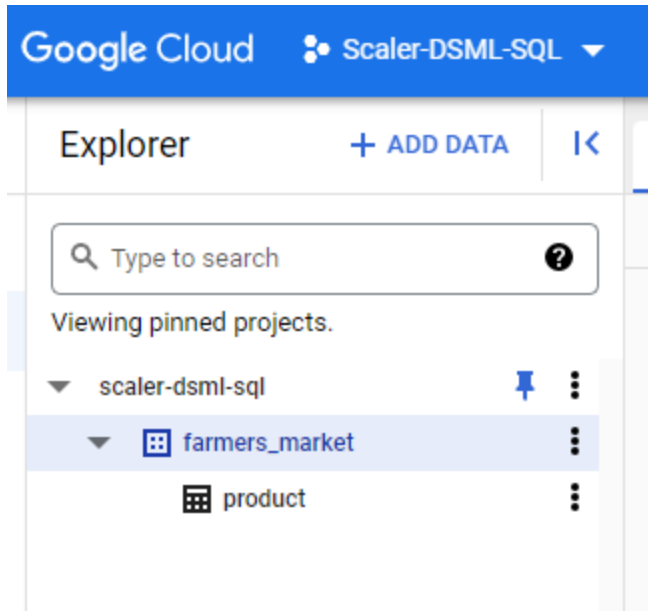
Clustering order

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

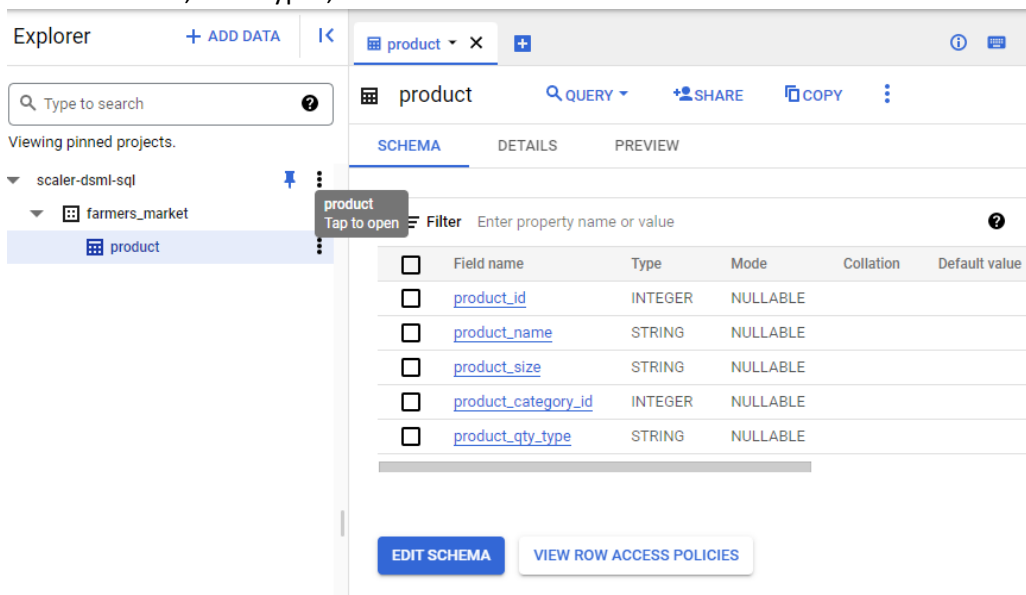
CREATE TABLE

CANCEL

11. 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



12. 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.
13. 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.



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

Explorer + ADD DATA <

product x +

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	

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

Explorer + ADD DATA <

product x +

product QUERY SHARE COPY

SCHEMA DETAILS PREVIEW

In new tab
In split tab

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	

Explorer

+ ADD DATA

<

Type to search

?

Viewing pinned projects.

▼ scaler-dsml-sql

▼ farmers_market

product

product

*Unsaved ...y 5

+

?

📄

🔍

🔗

RUN

🔍

🟢 Completed

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
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	

Results per page: 50 1 - 23 of 23 < > >>