

# Google BigQuery

Follow the instructions below to connect Yellowfin to a Google BigQuery data source. You can use any of your Google service accounts to authenticate the connection.



If the [writable data source functionality](#) is enabled, you are permitted to write data to a Google BigQuery database.

## Prerequisites

Before you use Google BigQuery as a data source, Yellowfin needs a driver to connect to it. Yellowfin does not ship with the driver due to licensing/paywall considerations, but you can upload your preferred driver (such as those offered by [Google](#)) via the Yellowfin [Plugin Manager](#).

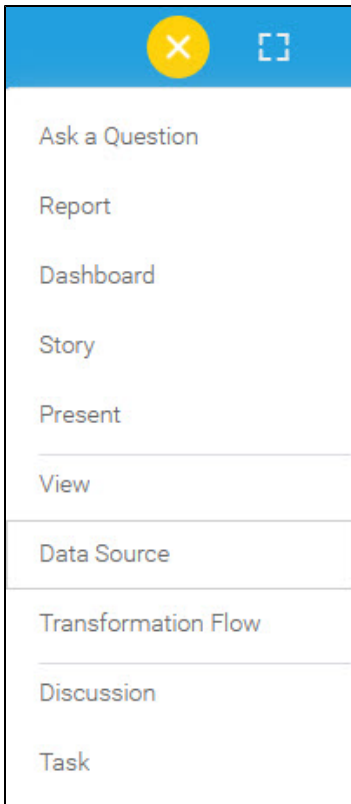
Once you have uploaded a driver for BigQuery, follow the steps below connect your data source.

## Instructions

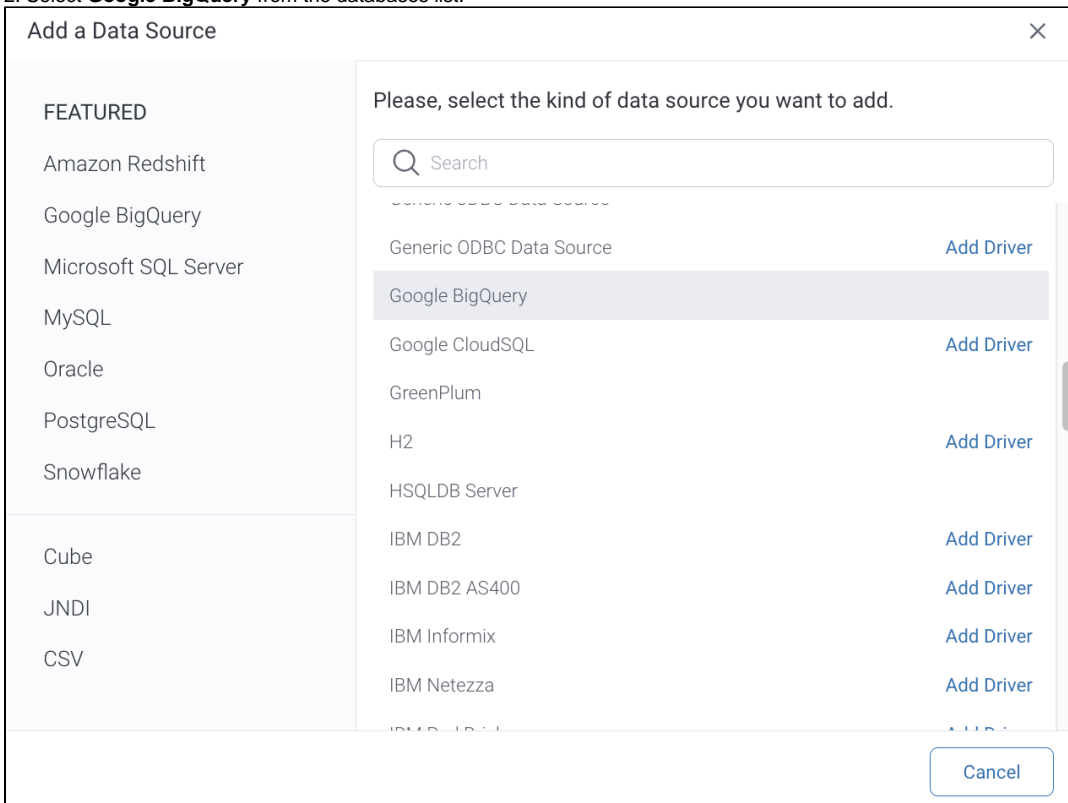
You can use any of your Google service accounts to authenticate this connection. The table below provides further details of the fields you'll be asked to provide values for.

Field	Description
Include Schema in SQL	Selecting this checkbox adds the schema name when addressing database tables in SQL queries.
Project	This is the project ID of your Google BigQuery project. Avoid using your project name as this won't work.
Service Account	The email address of your Google service account.
P12 Key File Path	The full path to a private key file for a service account. This is used to authenticate the service account email address. This field supports both types of key formats — <b>.p12</b> and <b>.json</b> . You can create and download this from your Google service account.
Default Dataset	Unqualified BigQuery tables (those without a specified schema) will be linked to this default schema.
JDBC Driver	This shows the details of the JDBC driver that you installed to talk to Google BigQuery databases. It should be pre-filled by default, so you shouldn't need to change this field.

1. Click on the yellow **Create** button  and select **Data Source** from the list.



2. Select **Google BigQuery** from the databases list.



3. When the New Connection popup appears, provide a name and description for your database.

4. **Connection String:** when selecting Connection String you have the same functionality as in [Generic JDBC Data Source](#).



5. **Google BigQuery** configuration fields.

Authentication Adapter	Standard Authentication	▼
	<input checked="" type="checkbox"/> Include Schema in SQL	
Project	yellowfin	
Service Account		
Location		
P12 Key File Path		
Timeout	3000	
Default Dataset		
User Name		
Password		

6. Toggle Advanced Settings to see more settings.

▼ Advanced Settings

7. Once you have completed your connection information, you will have several options:

← Back

Save

Test Connection

Cancel

a. **Back:** This will navigate to the database selection.

b. **Cancel:** This will close the New Connection popup.

c. **Test Connection:** This will test the connection parameters you provided to ensure it can connect to your database. If the connection is successful, an indicator will appear and you will be able to save the connection.

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Save

✓ Test Connection

Cancel

d. **Save:** This will allow you to save your connection and navigate to the Success page:

Add a Data Source

✓ Data Source Saved

You successfully made your data connection.

Close

