


# 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](#).

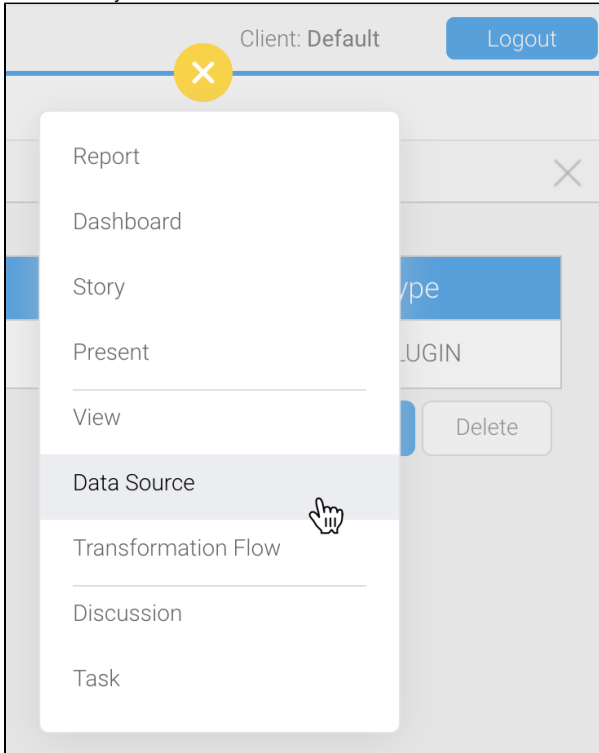
Once you have uploaded a driver for BigQuery, follow the steps below connect your data source.

## Instructions

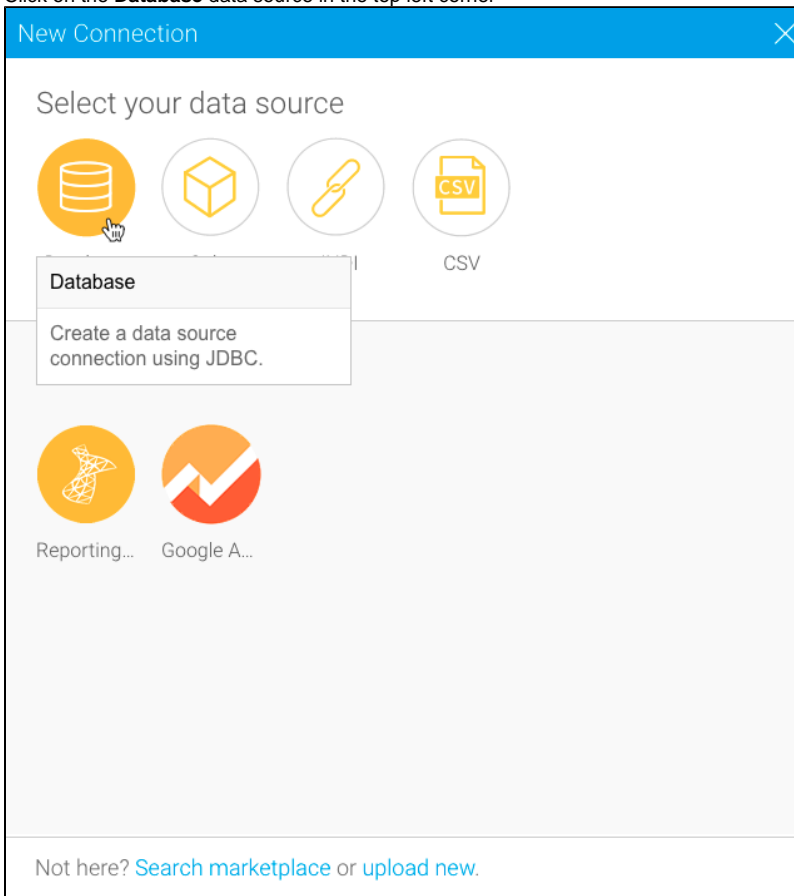
You can use any of your Google service accounts to authenticate this connection. The table below provides further details of the fields you'll be asked to provide values for.

Field	Description
Include Schema in SQL	Selecting this checkbox adds the schema name when address 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 prefilled 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. Click on the **Database** data source in the top left corner



3. Type in a name and (optional) description for this data source, then select the driver from the dropdown list  
Yellowfin will pre-fill some of the fields below, but others will require manual input

New Connection



Connection Setti...

Create View

Analyze

Name:

London bikes

Description:

Database Type:

Google BigQuery

Include Schema in SQL:

☒

Project:

Service Account:

P12 Key File Path:

Timeout:


3000


Default Dataset:


Create View

4. Enter values into the remaining fields, using the table above these steps for guidance if required

New Connection







Connection Setti...

Create View

Analyze

Name:

London bikes

Description:

Database Type:

Google BigQuery

Include Schema in SQL:

☒

Project:

yellowfin

Service Account:

955538111764-computer@develo

P12 Key File Path:

/User/wiki/super-secure/yellowin-

Timeout:

3000

Default Dataset:

custom\_dataset

Create View

5. Click on the arrow to the right of the Create View button and choose the option (see [Creating a Basic Data Source Connection](#) for more information on each of these options)
6. Choose your preferred option to complete the steps.



We recommend testing the connection, and then saving it by using the Save & Close button.