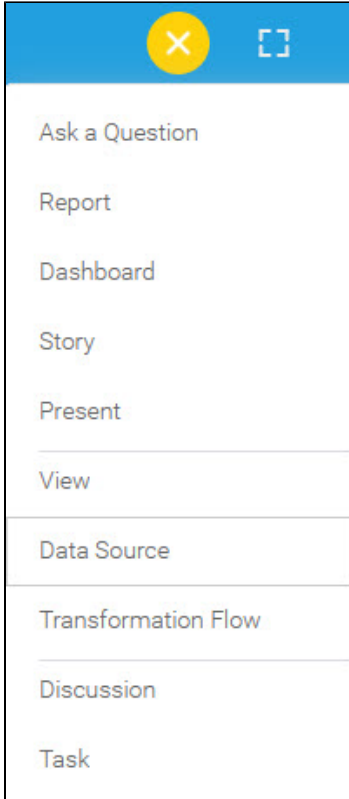# Google Cloud SQL

Follow the instructions below to connect Yellowfin to a Google Cloud SQL database instance.

> ⚠ Yellowfin does not ship with the driver required for this connection due to licensing/paywall reasons. You will need to manually upload the driver through the Plugin Manager or Creating a Basic Data Source Connection.

1. Click on the **Create** button and then on Data Source.

2. Select **Google Cloud SQL** from the databases list.

Add a Data Source   ✕

FEATURED

Amazon Redshift

Google BigQuery

Microsoft SQL Server

MySQL

Oracle

PostgreSQL

Snowflake

Cube

JNDI

CSV

Please, select the kind of data source you want to add.

Search

Generic JDBC Data Source	
Generic ODBC Data Source	Add Driver
Google BigQuery	Add Driver
Google CloudSQL	
GreenPlum	
H2	Add Driver
HSQLDB Server	
IBM DB2	Add Driver
IBM DB2 AS400	Add Driver
IBM Informix	Add Driver
IBM Netezza	Add Driver

Cancel

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**.**

How To Connect	○ Details	● Connection String

5. Google CloudSQL configuration fields.

Authentication Adapter	Standard Authentication ⌄
	☑ Include Schema in SQL
Database Host	
Database Port	3306
Database Name	
	☐ Use Custom Fetch Size
JDBC Driver	com.mysql.jdbc.Driver ⌄
User Name	
Password	👁

6. **Authentication Adapter:** Specify an authentication method for the database adapter. More details Advanced Connection Editor.
7. Select the **Include Schema in SQL** checkbox to add the schema name when addressing database tables in SQL queries.

☑ Include Schema in SQL

8. Next, enter the name or IP address of the server hosting the Google Cloud SQL instance.
9. The default TCP/IP port number for this database will automatically appear.
10. Enter the name of the database containing the data that you require.
11. Select the **Use Custom Fetch Size** checkbox if you want a specific number of data rows to be retrieved from the database after a query is executed, rather than fetching its entire result. Specify the number of rows in the Fetch Size field. Doing so will allow Yellowfin to process data faster.

	☑ Use Custom Fetch Size
Fetch Size	200

12. Yellowfin will automatically select the correct JDBC driver to talk to your Google Cloud SQL database.
13. Enter the username and password of your database account.
14. Toggle Advanced Settings to see more settings.

> ⌄ Advanced Settings

15. 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.

← Back		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