



Informatica® Data Validation
April 2025

Saved SQL Queries

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Preface

Read *Saved SQL Queries* to learn how to create and use saved SQL queries in Data Validation test cases.

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CHAPTER 1

Saved SQL queries

You can create a saved SQL query to combine multiple data sets and filter data, and reuse the saved SQL query in multiple test cases.

You can use a saved SQL query to compare data from the following databases:

- Amazon Redshift v2
- Databricks Delta
- DB2
- Google BigQuery V2
- Microsoft Azure Synapse SQL
- MySQL
- Oracle
- PostgreSQL
- Salesforce
- Snowflake Data Cloud
- SQL Server

After you validate a saved SQL query, you can use it in a test case.

Creating a saved SQL query

Create a saved SQL query to reuse an SQL query in multiple test cases. Use a connection to validate the SQL query. If the query is valid, you can also preview the metadata of the database.

1. On the navigation bar, click **New > Saved SQL Query**.

2. Enter a name for the query.

The name can contain ASCII, Chinese, Hebrew, and Japanese characters, digits, spaces, and the following characters:

, _ -

The name can't contain the following characters:

` " ' ! " # \$ % & () * + ' . / : ; < > = ? @ [] \ ^ ~ { } |

3. Select a location to save the query.

You can use the default project or folder location, or select a custom location. To use a custom location, click **Browse**, choose a location, and then click **Select**.

4. Optionally, enter a description for the query.
5. Select the database type for which you want to create the saved SQL query. You can select one of the following database types:
 - Amazon Redshift v2
 - Databricks
 - DB2
 - Google BigQuery V2
 - Microsoft Azure Synapse SQL
 - MySQL
 - Oracle
 - PostgreSQL
 - Salesforce
 - Snowflake Data Cloud
 - SqlServer
6. Enter the SQL query to filter the data that you want to compare.
The SQL query can have a maximum of 30,000 characters.
7. To validate the query, click **Yes** in the **Validate Query** field.
Note: You can save the query without validating it. However, if the saved SQL query is not validated or is invalid, you can't use it in a test case.
8. From the **Connection** list, select a connection to validate the query.
Data Validation indicates whether the query is valid or not. If the query is not valid, update the query and validate it again.
9. If the query is valid, you can click **Metadata Preview** to view the column details of the database, such as name, type, precision, and scale.
10. Click **Save** to save the SQL query.
You can use the saved SQL query as a source or target in a test case.

Viewing, editing, renaming, and deleting a saved SQL query

View, edit, rename, or delete a saved SQL query on the **Explore** page.

1. On the **Explore** page, navigate to the saved SQL query.
2. In the row that contains the saved SQL query, click **Actions** and select one of the following options:
 - To view the saved SQL query, click **View**. The saved SQL query page opens.
 - To edit the saved SQL query, click **Edit**. The saved SQL query page opens.
Edit the query as needed, validate, and save the query.
If you change the database type or connection, you will need to validate the query again.
 - To rename the saved SQL query, click **Rename**. The **Rename Asset** window opens.

Enter a new name in the **Name** field and click **Save**.

- To delete the saved SQL query, click **Delete**. A confirmation message appears.

Click **Delete** to proceed with the deletion.

If the saved SQL query is used in a test case, you must first remove it from the test case, and then delete the saved SQL query.

Rules and guidelines for saved SQL queries

Consider the following rules and guidelines when you work with saved SQL queries:

- If you use a saved SQL query that joins one or more tables with the same column names, the test case fails.

For example, consider the following SQL query that involves a full outer join between two tables EMPLOYEE and DEPARTMENT that are part of the SALES.PUBLIC schema, where two columns have the same name, CITY:

```
SELECT EMP_ID, NAME, CITY, DEPT_ID, DEPT_NAME, CITY
FROM SALES.PUBLIC.EMPLOYEE
FULL OUTER JOIN SALES.PUBLIC.DEPARTMENT ON EMP_ID = DEPT_ID
```

To distinguish the conflicting column names, add aliases that the database can refer to while joining the tables as shown in the following query:

```
SELECT e.EMP_ID, e.NAME, e.CITY as ecity, d.DEPT_ID, d.DEPT_NAME, d.CITY as dcity
FROM SALES.PUBLIC.EMPLOYEE e
FULL OUTER JOIN SALES.PUBLIC.DEPARTMENT d ON e.EMP_ID = d.DEPT_ID
```

- When you export or import a saved SQL query to a different organization, the validation state is not retrieved. You will need to validate the query again.
- When you move or copy a saved SQL query, the validation state is retained.

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