

Installation and configuration of JDBC drivers

Warning This operation should only be executed by your database administrator.


Prerequisites

- You have downloaded the JDBC driver of your choice as an archive file (for example, ZIP or JAR).

Tip You can find a wide range of drivers on Colibra Marketplace.

- You have configured one or more Jobserver in Colibra Console. If there is no available Jobserver, the **Register data source** actions will be grayed out in the global create menu of Colibra Data Governance Center.

Steps

- In the main menu, click  **Catalog**.
 - » The Catalog Home opens.
- In the main menu, click the **Create** button.
 - » The **Create** dialog box appears.
- In the **Create** dialog box, click **Register data source (use a Colibra provided driver)**.
- If a JDBC driver is already installed:
 - Enter the schema properties.

Field	Description
Schema name	This name is used in Colibra DGC as schema asset and must therefore be unique.
Schema description	The description of the schema. This is used as description of the schema asset.
Data owner	The owner of the registered data in Colibra DGC.

- Click **Next**.

- In the **JDBC driver version** field, click **manage drivers....**

Register data source

JDBC driver version

5.1.5

5.1.5

manage drivers...

Connection details

Host *

Database *

Login information

Store credentials

Username*

Password


Schedule data refresh

Cron pattern



Time zone

< Back

Create

- Do one of the following:
 - Click **Add JDBC Driver** if you want to create a new JDBC driver.
 - Click  if you want to edit an existing JDBC driver.

- Enter the required information.

Field	Description
JDBC Driver Version Name	The name of the JDBC driver.
 Upload	Button to navigate to the driver file in JAR or ZIP format and upload it. The Oracle JDBC Driver jar file is typically named ojdbc8.jar.
Driver files	This table contains a list of uploaded driver files in JAR or ZIP format. You can remove a driver file by clicking  .

- Click **Next**.

- Configure the JDBC connection.

Field	Description
Connection	JDBC connection string is: jdbc:oracle:thin:@\$Host:\$Port:\$SID
Driver Class Name	Driver class name of the connection: oracle.jdbc.driver.OracleDriver
Connection properties	Define the following properties as below. They are all mandatory and case sensitive. <ul style="list-style-type: none"><u>H</u>ost: Oracle database host<u>P</u>ort: Oracle database port (this is typically 1521)<u>S</u>ID: Oracle System Identifier<u>S</u>chema: The schema you want to import Set the <u>U</u> ser and <u>P</u> assword you wish to use to authenticate to the server.

- Click **Create**.

- In the **Register data source** dialog box, enter the schema properties.

Field	Description
Schema name	This name is used in Colibra DGC as Schema asset and must therefore be unique.
Schema description	The description of the schema. This is used as description of the Schema asset.
Data owner	The owner of the registered data in Colibra DGC.

- Click **Next**.

- Enter the database connection properties.

Option	Description
JDBC driver version	The JDBC driver to connect to your database.
Connect via	The jobserver used for ingesting.
URL	Address of the used database. Use the format <i>hostname:port</i> .
...	
<The connection properties that are defined in JDBC driver>	
...	
Store credentials	Select this option to store the credentials to access the database. With a schema refresh, you can clear this option again.
Username	Username to access the database.
Password	Corresponding password to access the database.
Schedule data refresh	Enable or disable a schedule to automatically refresh the data registration.
Cron pattern	Schedule of the data refresh as a Cron pattern. If you create an invalid Cron pattern, Colibra Data Governance Center stops responding.
Time zone	The time zone of the database.
Note If Colibra DGC cannot connect to the database, you cannot continue the data source registration wizard. Depending on the selected database, some of the options are not available.	

- Click **Next**.

- Select the data profiling options.

Option	Description
Store Data Profile	Option to perform data profiling on the registered data.
Detect advanced data types	Option to detect advanced data types in the data source.
Store Sample Data	Option to extract sample data from the registered data.

- Click **Create**.