

JDBC Form Binder

Definition

JDBC Form Binder allows you to customize how form data is stored and/or loaded, either from Joget or custom database via user-defined SQL statements.

Note that, as a **load** binder, you only need to configure the datasource and SELECT query ; as a **store** binder, you will also need to write SQL for INSERT, UPDATE, and DELETE.

New Feature

This is a new feature in Joget Workflow v6.

Configure JDBC Binder

Edit Form > Advanced > Store Binder (JDBC Binder) > Configure JDBC Binder

Datasource

Default Datasource

SQL SELECT Query *
Use question mark (?) in your query to represent primary key or foreign key

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Figure 1: JDBC Form Load Binder Properties

Name	Description
Datasource	• Custom Datasource • Default Datasource By selecting Default Datasource, the database your Joget is currently using will be selected.
Custom JDBC Driver	Custom JDBC Driver. This field is required when Custom Datasource is selected in Datasource above.
Custom JDBC URL	Custom JDBC URL. This field is required when Custom Datasource is selected in Datasource above.
Custom JDBC Username	Custom JDBC Username. This field is required when Custom Datasource is selected in Datasource above.
Custom JDBC Password	Custom JDBC Password. This field is required when Custom Datasource is selected in Datasource above.  Test the connection parameters Click on the "Test Connection" button at the bottom of the page to quickly test out your configurations.
SQL SELECT Query	<pre>SELECT * FROM app_fd_table WHERE id = ?</pre>

Configure JDBC Binder

Edit Form > Advanced > Load Binder (JDBC Binder) > Configure JDBC Binder

Datasource

Custom Datasource

Custom JDBC Driver *

Eg. com.mysql.jdbc.Driver (MySQL), oracle.jdbc.driver.OracleDriver (Oracle), com.microsoft.sqlserver.jdbc.SQLServerDriver (Microsoft SQL Server)

com.mysql.jdbc.Driver

Custom JDBC URL *

jdbc:mysql://localhost/jwdb?characterEncoding=UTF8

Custom JDBC Username *

root

Custom JDBC Password

SQL SELECT Query *

Used to decide an insert or update operation. Use syntax like {field_id} in query to inject submitted form data.

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SQL INSERT Query *

Use syntax like {field_id} in query to inject submitted form data.

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SQL UPDATE Query *

Use syntax like {field_id} in query to inject submitted form data.

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SQL DELETE Query *

Used to delete deleted form data in Grid element. Use syntax like {id} in query to inject form data primary key.

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Figure 2: JDBC Form Store Binder Properties

Name	Description
Datasource	Custom Datasource Default Datasource By selecting Default Datasource, the database your Joget is currently using will be selected.
Custom JDBC Driver	Custom JDBC Driver. This field is required when Custom Datasource is selected in Datasource above.
Custom JDBC URL	Custom JDBC URL. This field is required when Custom Datasource is selected in Datasource above.
Custom JDBC Username	Custom JDBC Username. This field is required when Custom Datasource is selected in Datasource above.
Custom JDBC Password	Custom JDBC Password. This field is required when Custom Datasource is selected in Datasource above. Test the connection parameters Click on the "Test Connection" button at the bottom of the page to quickly test out your configurations.
SQL SELECT Query	SELECT * FROM app_fd_table WHERE id = '#requestParam.id#' Note: If you use JDBC in a form grid for load/save, be advised the SQL syntax is different from the above. Kindly download and view the sample app for JDBC in a form grid at the bottom of this page.

SQL INSERT Query	Use syntax like curly brackets {field_id} in query to inject submitted form data. <pre> INSERT app_fd_table (id, c_name, c_emailaddress, c_contacttel) VALUES ({id}, {name}, {emailAddress}, {contactTel}) </pre> Note: Be advised JDBC load/save binders cannot be used if your form or form grid has file or image attachment field elements. You will need to use the default Multirow Form Binder in this circumstance.
SQL UPDATE Query	Use syntax like curly brackets {field_id} in query to inject submitted form data. <pre> UPDATE app_fd_table SET id = {id}, c_name = {name}, c_emailaddress = {emailAddress}, c_contacttel = {contactTel} WHERE id = {id} </pre>
SQL DELETE Query	Used in deleting form data records in Datalist/Grid element. Use syntax like curly brackets {id} in query to inject form data primary key <pre> DELETE FROM app_fd_table WHERE id = {id} </pre>

Below are sample apps to demonstrate the use of JDBC Load and Save Binders:

- Example app using JDBC binders on Form [APP_form_load_save_using_jdbc.jwa](#).
- Example app using JDBC binders on Form Grid [APP_form_grid_with_jdbc_binder.jwa](#).
- Example app using JDBC binders for Oracle databases [APP_example_form_jdbc_on_oracle_v6.jwa](#)