

# Import Tool

**Import Tool** enables a user to import bulk data into a specific form's table by retrieving the CSV, XLS or XLSX file from a form field and doing a simple column-to-field mapping.

It is formerly known as **CSV Import Tool** in Joget Workflow v4.

Configure Import Tool

File Upload Form \*

Upload Field ID

Store Data Form \*

Column Mappings

Key Column Number

Start From Row Number

Foreign Keys

Import Mode

Validate data?

UTF-8 Encoding Checking?

Debug Mode

Column Number

Field Name

+

Field Name

Value

+

Import new record or update existing record

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Figure 1: CSV Import Tool Properties

Name	Description
File Upload Form	Specify the source Form where File Upload element resides.
Upload Field ID	File Upload element ID in the specified form above.

Store Data Form	<p>Specify on where to store the data by choosing a target form.</p> <div> <div></div> <div> <b>How storing works?</b>  The target form's store binder will be called upon for data storage. </div> </div> <div> <div></div> <div> <b>Post Form Submission Processing</b>  Any Tool mapped under <b>Post Form Submission Processing</b> of the target form will be triggered each time a record updated or created.   <b>Important:</b> The tool mapped will be triggered regardless of the <b>Run Tool on</b> attribute. </div> </div>						
Column Mappings	<p>Map the source file's CSV values to the target form fields.</p> <table> <tr> <th>Name</th><th>Description</th></tr> <tr> <td>Column Number</td><td>Refers to the column number in the source CSV. Integer only, <b>starts from 0</b>.</td></tr> <tr> <td>Field Name</td><td>Must be a element ID in the target form specified above, <b>"Store Data Form"</b>.</td></tr> </table>	Name	Description	Column Number	Refers to the column number in the source CSV. Integer only, <b>starts from 0</b> .	Field Name	Must be a element ID in the target form specified above, <b>"Store Data Form"</b> .
Name	Description						
Column Number	Refers to the column number in the source CSV. Integer only, <b>starts from 0</b> .						
Field Name	Must be a element ID in the target form specified above, <b>"Store Data Form"</b> .						
Key Column Number	<p>Column number that holds the primary key value.</p> <div> <div></div> <div> If nothing is defined, a UUID will be generated and assigned when importing. </div> </div>						
Start From Row Number	<p>Row number to start importing data. Integer only, <b>starts from 0</b>.</p>						
Foreign Keys	<p>Define other values that can not be found in the CSV file such as Foreign Key value associations data. You may also define hard-coded value here too.</p> <table> <tr> <th>Name</th><th>Description</th></tr> <tr> <td>Field Name</td><td>Field name in the target form.</td></tr> <tr> <td>Value</td><td>Value to be set.  Hash Variable is accepted.</td></tr> </table>	Name	Description	Field Name	Field name in the target form.	Value	Value to be set.  Hash Variable is accepted.
Name	Description						
Field Name	Field name in the target form.						
Value	Value to be set.  Hash Variable is accepted.						
Import Mode	<ul style="list-style-type: none"> <li>• Import new record or update existing record</li> <li>• Import new record only</li> <li>• Delete record</li> </ul>						
Validate data?	<p>Data to be imported will be validated in according to the form's fields' validations.</p>						

UTF-8 Encoding Checking?	Check if the file is encoded with UTF-8.
Debug Mode	Useful debugging information will be printed out in the server log when Debug Mode is turned on.



**New feature added in version 5.0.7**

The **Import Status** tab is newly added in Joget Workflow Enterprise version 5.0.7.

## Import Status

Configure Import Tool > **Import Status**

### Store To Workflow Variables

Records Count (Workflow Variable Name)	<input type="text" value="recordsCount"/>
Success Imported Records Count (Workflow Variable Name)	<input type="text" value="successImportedCount"/>
Success Updated Records Count (Workflow Variable Name)	<input type="text" value="successUpdatedCount"/>
Success Deleted Records Count (Workflow Variable Name)	<input type="text" value="successDeletedCount"/>
Skipped Records Count (Workflow Variable Name)	<input type="text" value="skippedCount"/>
Validation Error Records Count (Workflow Variable Name)	<input type="text" value="validationErrorCount"/>
Success Imported Records Row Numbers (Workflow Variable Name)	<input type="text" value="successImportedRows"/>
Success Updated Records Row Numbers (Workflow Variable Name)	<input type="text" value="successUpdatedRows"/>
Success Deleted Records Row Numbers (Workflow Variable Name)	<input type="text" value="successDeletedRows"/>
Skipped Records Row Numbers (Workflow Variable Name)	<input type="text" value="skippedRows"/>
Validation Error Records Row Numbers (Workflow Variable Name)	<input type="text" value="validationErrorRows"/>
Validation Error Records Details (Workflow Variable Name)	<input type="text" value="validationErrorRowDetails"/>
Validation Error Records Details Format	<input type="text" value="JSON"/>

### Store to File Upload Form

Records Count (Field Id)	<input type="text" value="recordsCount"/>
Success Imported Records Count (Field Id)	<input type="text" value="successImportedCount"/>
Success Updated Records Count (Field Id)	<input type="text" value="successUpdatedCount"/>
Success Deleted Records Count (Field Id)	<input type="text" value="successDeletedCount"/>
Skipped Records Count (Field Id)	<input type="text" value="skippedCount"/>
Validation Error Records Count (Field Id)	<input type="text" value="validationErrorCount"/>
Success Imported Records Row Numbers (Field Id)	<input type="text" value="successImportedRows"/>
Success Updated Records Row Numbers (Field Id)	<input type="text" value="successUpdatedRows"/>

Success Updated Records Row Numbers (Field Id)	<input type="text" value="successUpdatedRows"/>
Success Deleted Records Row Numbers (Field Id)	<input type="text" value="successDeletedRows"/>
Skipped Records Row Numbers (Field Id)	<input type="text" value="skippedRows"/>
Validation Error Records Row Numbers (Field Id)	<input type="text" value="validationErrorRows"/>
Validation Error Records Details (Field Id)	<input type="text" value="validationErrorRowDetails"/>
Validation Error Records Details Format	<div>HTML Table ▼</div>

Name	Description
Import Status	This is a new feature added in Joget Workflow Enterprise version 5.0.7 and onwards giving one clarity over the execution of the import. One can choose to save the import status data to form data table of the originating file (upload) or into workflow variables.