

Builder Advanced Tools

New Feature

New feature added in **Joget DX**:

- Permission Tab
- Tooltip Tab

- [Introduction](#)
- [Get Started](#)
- [Advanced Tools Properties](#)
 - [Tree Viewer](#)
 - [Permission](#)
 - [Usages](#)
- [Table](#)
- [i18n Internationalization](#)
- [Tooltip](#)
- [Diff Checker](#)
- [JSON Definition](#)

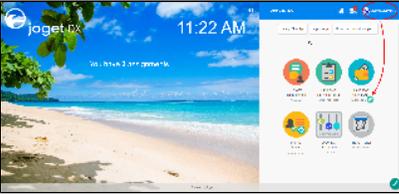
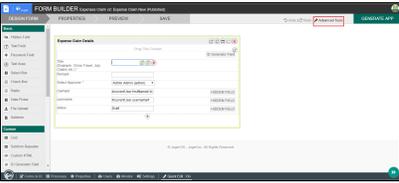
Introduction

Advanced Tools can be found inside the **Form Builder**, **Datalist Builder**, **Userview Builder** as well as the **Process Mapper**.

[Addon Builder](#) plugins also have access to this feature.

Get Started

The easiest way to see how to access the Advanced Tools is to use the existing built-in App Expenses Claims. Here are the steps:

Steps	Screens (Click to view)
<ol style="list-style-type: none">1. Start the Joget Server and open the App Center.2. Log in as admin and click on the pencil icon on the Expenses Claim to open the Design App. (see Figure 1)3. Click on Expense Claim New and you will be directed to the Form Builder.4. Click on Advanced Tools on the top right.5. In Advanced Tools, you will find 6 tabs in all the builders mentioned with the exception of Form Builder and Process Mapper (see Figure 3).<ol style="list-style-type: none">a. In Form Builder, the additional tabs are Table and Tooltip.b. In the Process Mapper, there is only one tab which is the i18n Internationalization	 <p>Figure 1</p>  <p>Figure 2</p>  <p>Figure 3</p>

Advanced Tools Properties

Tree Viewer

Description	Screens (Click to view)
<p>The tree viewer in the first tab provides the app designer with the overall structure/definition view so that one can easily spot any anomaly and fixes it immediately without too much hassle and time spent.</p> <p>Clicking on the edit (pencil) icon on the right of the node allows one to configure/edit its properties right away. Upon saving the properties, the tree viewer will refresh itself.</p>	 <p>Figure 4 Tree Viewer</p>  <p>Figure 5 Editing a node</p>

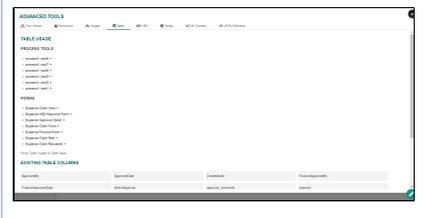
Permission

Description	Screens (Click to view)

The **table** tab is available in the Form Builder. With this feature, the app designer can tell on which other entity is sharing/writing into the same database table the current form is currently pointing too. From the screenshot example above, we can see that the table is being accessed by multiple process tools and forms.

We can also click on the **Show Table Usage In Other Apps** to check if there are other apps that are writing to the same table too.

At the bottom of it, **existing table columns** are listed down for the app designer's reference.



i18n Internationalization

Description	Screen (Click to view)
<p>Labels defined in the builder will be automatically listed down here for internationalization purposes. We can define in as many languages as we want to.</p>	<p>The screenshot shows the 'Advanced Tools' interface with a section for internationalization, including a dropdown menu for selecting a language and a 'Save' button.</p>

Tooltip

Description	Screen (Click to view)
<p>Labels defined in the builder will be automatically listed down here for tooltip purposes. We can define in as many languages as we want to.</p> <div data-bbox="138 993 987 1104" style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <p>New Feature Newly introduced in Joget DX</p> </div>	<p>The screenshot shows the 'Advanced Tools' interface with a section for tooltip settings, including a 'Section' header and a 'Name' field with a tooltip that says 'Please key in your name'.</p>

Diff Checker

Description	Screen (Click to view)
<p>The Diff Checker capability makes collaborative works possible without losing the modifications done by other teammates who are working on the same entity at the same time. In this section, one can tell which are the changes that have been made since the initial first load of his/her builder against the copy in the server. Click on the Merge & Update button will ensure that all modifications are merged.</p> <div data-bbox="138 1539 1057 1705" style="border: 2px solid #f00; padding: 10px; margin-top: 10px;"> <p>! Upon pulling the latest changes from the server, clicking on Merge & Update will merge the changes, but will NOT automatically save the form, to allow users to continue editing.</p> <p>Take note that the Diff Checker does NOT pull changes from the server in real-time. To see new changes, click into the Diff Checker tab again.</p> </div>	<p>The screenshot shows the 'Advanced Tools' interface with the 'Diff Checker' tool, displaying a list of changes in a tree view.</p>

JSON Definition

Description	Screen (Click to view)

We can inspect the actual definition of the entity that we are working on here. If required, we can amend the definition within the text editor itself and click on the **Update** button to commit.

