

Calculation Field

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Introduction

Calculation Field allows you to perform a series of arithmetic computations to a set or a series of fields.

The Calculation Field is only available on **Professional** and **Enterprise** Edition.

Get Started

The easiest way to see how the Advanced Grid works is to use the existing built-in App Expenses Claims and look at an existing form in the app. Here are the steps:

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)

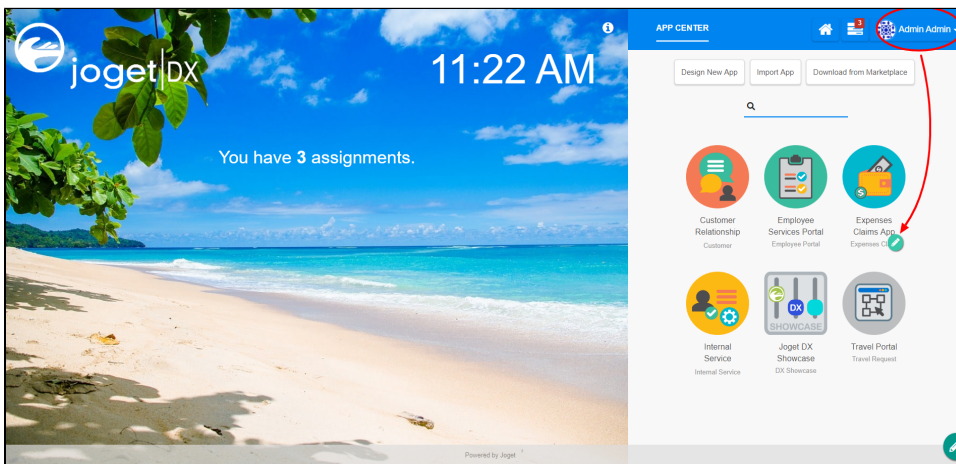


Figure 1

3. Under **FORMS** column, click on **Expense Claim Form** (see Figure 2)

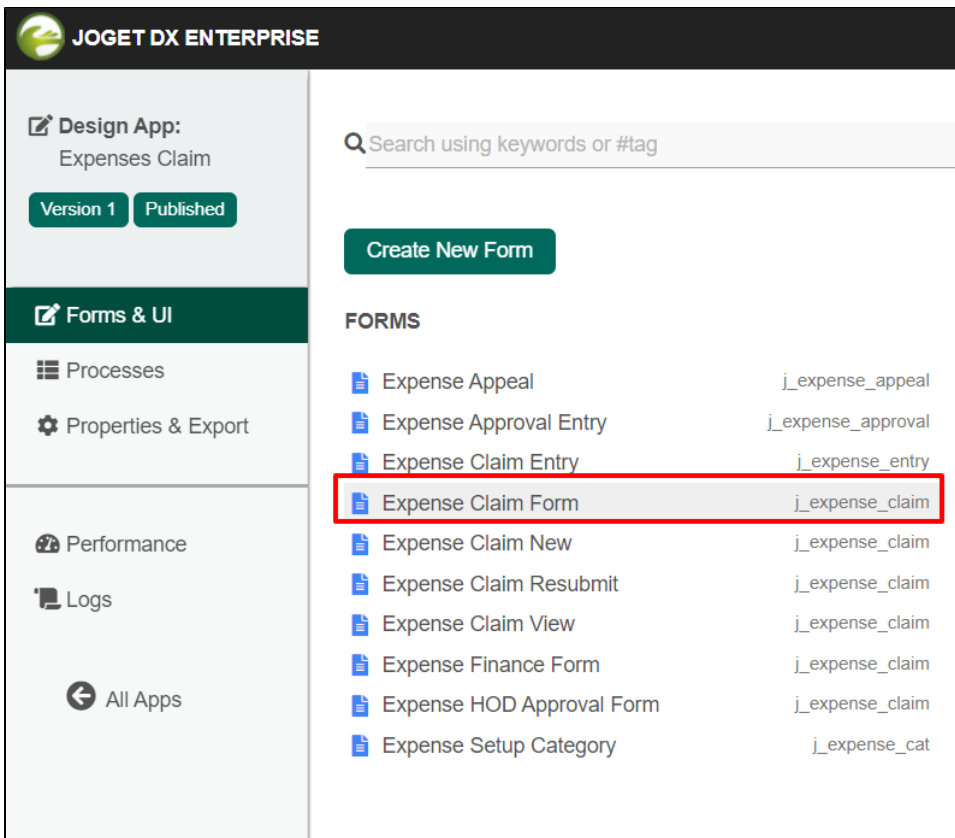


Figure 2

4. Hover the mouse over the **Calculation Field** labeled **Total Amount \$** on the canvas and click on **Edit** to open up the Edit Calculation Field properties.
5. Take note of the **Variables** field. The **spECD** value is referring to another field within the form (see Figure 3).

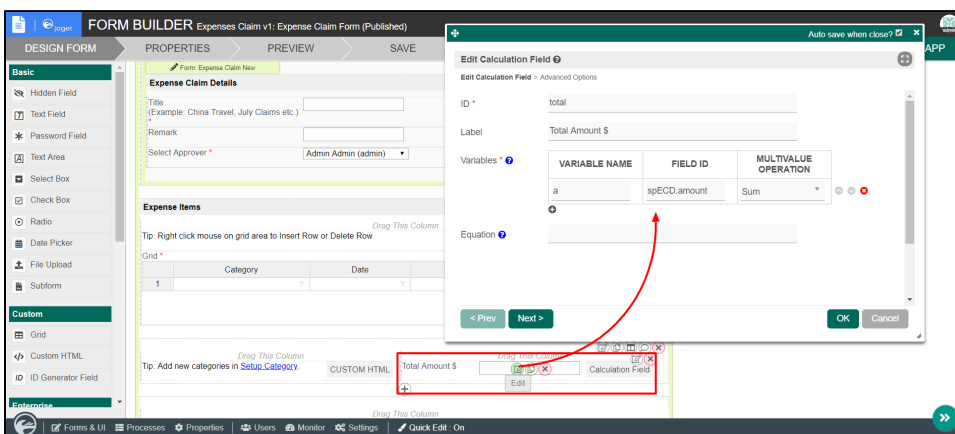


Figure 3

6. Hover the mouse over the **Grid** element on the canvas **above** the **Calculation Field** and click on **Edit** to open up the Edit Grid properties (see Figure 4).

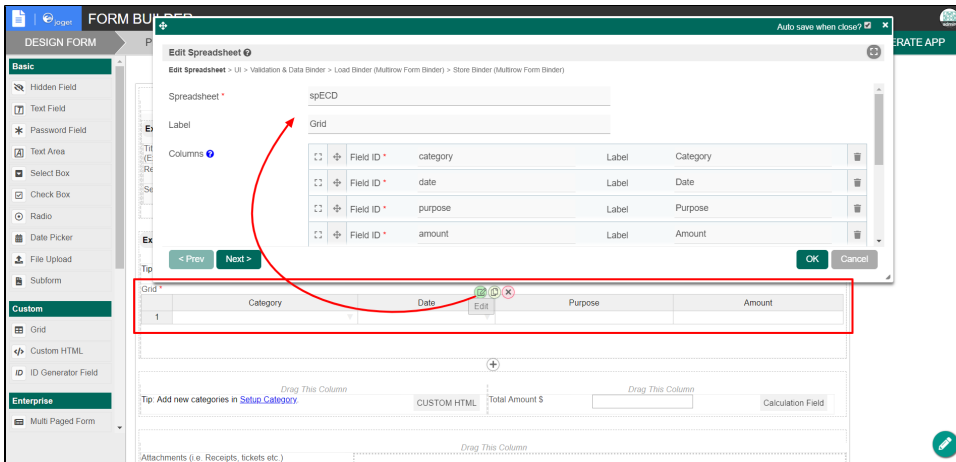


Figure 4

7. In Figure 5, we are summing at a specific column from a Form Grid.

Form Grid ID: **spECD**

Column in Form Grid: **amount**

Field ID to be filled in: **spECD.amount**

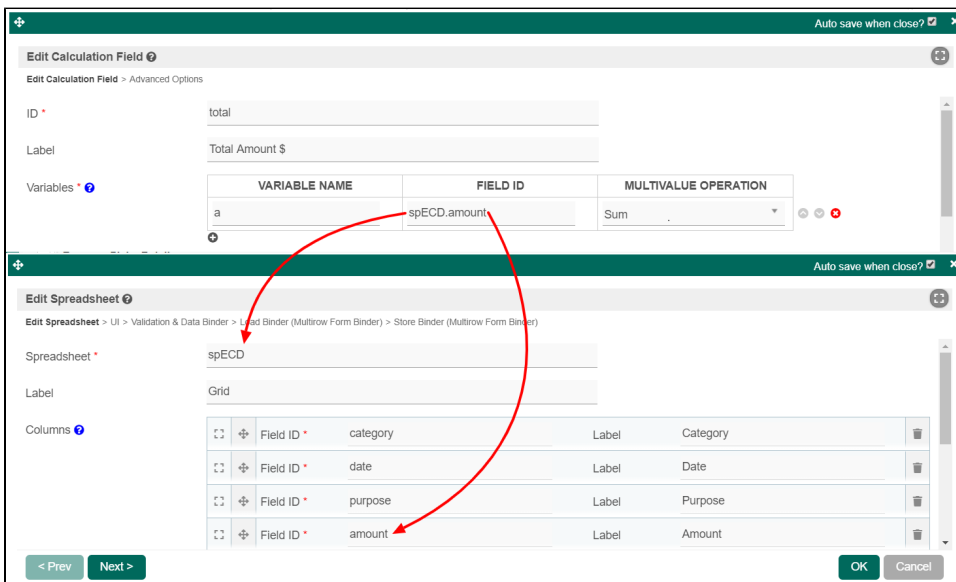


Figure 5

8. Click on **Preview** and enter values into the **Amount** column in the Grid to see the Total Amount \$ automatically adds the values.

Calculation Field Properties

Edit Calculation Field

Auto save when close?

Edit Calculation Field

Edit Calculation Field > Advanced Options

ID *

field1

Label

Calculation Field

Variables *

VARIABLE NAME	FIELD ID	MULTIVALUE OPERATION
+		

Equation

< Prev

Next >

OK

Cancel

Name	Description								
ID	Element ID (By declaring as "total", a corresponding database table column "c_total" will be created) Please see Form Element for more information about defining the ID and list of reserved IDs.								
Label	Element Label to be displayed to end user.								
Variables	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Variable Name</td><td>Declare a name to store current row equation result. <div><div></div><div>Examples<ul style="list-style-type: none">• subtotal• discountPercent• charges</div></div></td></tr><tr><td>Field ID</td><td>Form Field ID to retrieve. If you are totaling a form grid column, use this format: formGridId.columnId where the first part before the decimal tells Joget which form grid to use and the second part after the decimal tells Joget which column is the specified form grid to use for calculation.</td></tr><tr><td>Multivalue Operation</td><td><ul style="list-style-type: none">• Sum• Avg• Min• Max</td></tr></table>	Name	Description	Variable Name	Declare a name to store current row equation result. <div><div></div><div>Examples<ul style="list-style-type: none">• subtotal• discountPercent• charges</div></div>	Field ID	Form Field ID to retrieve. If you are totaling a form grid column, use this format: formGridId.columnId where the first part before the decimal tells Joget which form grid to use and the second part after the decimal tells Joget which column is the specified form grid to use for calculation.	Multivalue Operation	<ul style="list-style-type: none">• Sum• Avg• Min• Max
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Multivalue Operation	<ul style="list-style-type: none">• Sum• Avg• Min• Max								

Format

Formatting Style *

US Style Formatting (1,000.00) ▼

Number of Decimal *

2

Prefix

Postfix

Use Thousand Separator?

☐

Store as Numeric Value?

☐

Name	Description
Formatting Style	<ul style="list-style-type: none">US Style Formatting (1,000.00)European Formatting (1.000,00)
Number of Decimal	Number of Decimal
Prefix	Prefix of the calculated value
Postfix	Postix of the calculated value
Use Thousand Separator?	Thousand Separator toggle.
Store as Numeric Value?	Toggle to store as numeric value instead of a string

UI

UI

Hidden?

☐

Display as Label?

☐

Name	Description
Hidden?	Shows this element to the end user.
Display as Label?	Displays the value of the element as plain text.

Workflow

Workflow

Workflow Variable

Name	Description
Workflow Variable	<div><div><div><div><div></div></div><div>Using a non-existent Workflow Variable name</div></div><div><div>You will get the following warning with the name printed out (e.g. status) in the server log if you attempt to map to a non-existent Workflow Variable.</div><div><div>context attribute status does not exist in process context - adding new attributes to the process context is not allowed</div></div></div></div></div>