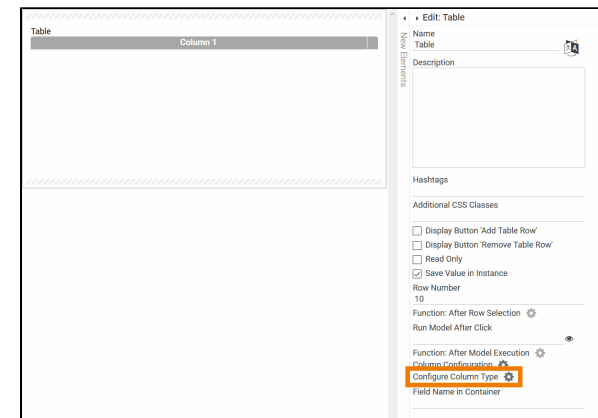


Defining Column Types

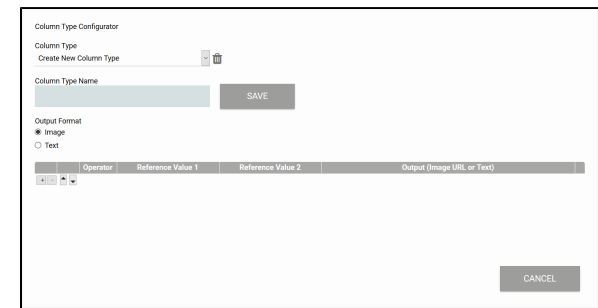
In a table column, you do not always want to display the actual value, but replace it with another output value, for example to visualize the value by displaying a corresponding picture. To achieve this, you can define your own column type. Once the column type has been saved, it can be found and selected in the [table configuration](#) under the option **Column Type**.

Creating a Column Type

To configure your own column type, you need to use the option **Configure Column Type**. The option can be found in the Edit Sidebar of the form elements **table**, **instance table** and **app link (multiple)**:



Click on the gear wheel to open the **Column Type Configurator**:



In the **Column Type Configurator** you can define new column types or manage already existing ones.

<div>Column Type</div> <div>Create New Column Type</div>	Column Type Choose a column type to be edited from the drop down menu or select Create New Column Type to create a new type.
<div>Column Type Name</div> <div></div>	Column Type Name Once you created a new column type enter its name here.

On this Page:

- [Creating a Column Type](#)
 - [Example: Creating an Image Column Type](#)
- [Deleting a Column Type](#)

Related Pages:

- [Manual Table Configuration](#)
- [Using the Column Wizard](#)
- [Process Apps](#)
 - [Searching for Instances](#)
 - [Configuring Overview Tables](#)

<div data-bbox="157 138 532 262">SAVE</div>	<p>Save</p> <p>Once you have defined a new column type, make sure to save your specifications via the Save button. Now the new column type will automatically be added to the selection list of available Column Types.</p>
<div data-bbox="157 667 946 747"><div>Column Type</div><div>Decision</div></div> <div data-bbox="634 690 717 777"></div>	<p>Trash Can</p> <p>To delete a previously created column type, you need to initially select it from the drop down menu, then click on the trash can button.</p>
<div data-bbox="157 1060 946 1176"><div>Output Format</div><div><input checked="" type="radio"/> Image</div><div><input type="radio"/> Text</div></div>	<p>Output Format</p> <p>Select the desired output format (image or text display) here.</p> <div data-bbox="976 1312 1088 1961"><div></div><div>When defining in g y o u r o w n c o l u m n t y p e , y o u o f</div></div>

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<div><div>+</div><div>-</div></div>	<div><div>Add Table Rows</div><div>Use the buttons + and - to add or delete rows.</div></div>
<div><div>▲</div><div>▼</div></div>	<div><div>Change Order of Rows</div><div>Use the arrow buttons to change the order of existing rows.</div></div>




The conditions are processed from top to bottom. Therefore, the lowest applicable rule is used for the replacement.

<div data-bbox="159 136 354 674"><div>Operator</div><div><div><</div><div>▼</div></div><div><</div><div><=</div><div>></div><div>>=</div><div>=</div><div><></div><div>between</div></div>	<div data-bbox="971 136 1101 514"><div>Operator</div><div>Select the desired operator from the list of available operators:</div><div><ul style="list-style-type: none"><<=>>==<>between</div></div>
<div data-bbox="159 718 667 995"><div>Reference Value 1</div><div></div><div>Reference Value 2</div><div></div></div>	<div data-bbox="971 718 1101 1812"><div>Reference Value 1 / Reference Value 2</div><div>Use the reference value 1 to compare it with the original value from the table.</div><div>Reference value 2 is only needed in cooperation with the between operator. The between operator verifies if a value is larger than reference value 1 and smaller than reference value 2.</div><div>Reference values can be character strings or numbers.</div><div>Examples:</div><div>!= „Mustermann GmbH“</div><div><= 28</div></div>

Output (Image URL or Text)	Output (Image URL or Text)
	<p data-bbox="971 258 1088 464">In this column, enter the content that is to replace the original value if the condition is fulfilled.</p> <p data-bbox="971 489 1088 926">If you have selected Image as output format, enter the URL of the image that is to be displayed in the table here. If your output format is text, enter the desired content here.</p> <p data-bbox="971 951 1088 1241">The image or text is displayed if one of the specified conditions is fulfilled. If none of the defined conditions applies, no replacement is made.</p>

<div>CANCEL</div>	<p>Cancel</p> <p>Use this button to leave the column type configurator.</p> <div>  <p>A t t e n t i o n: U n s a v e d d a t a w i l l b e l o s t w h e n c l i c k i n g C a n c e l.</p> </div>
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 If your column type may contain empty values also, define an additional blank condition. To do this, select the operator = and leave the **Reference Value** and **Output** fields empty.

Expert Advice

The size of the displayed image can be adjusted via the CSS, class: **ui-widget-columnrendererwidget-tableimage**.

Example: Creating an Image Column Type

"A picture is worth a thousand words": Users capture values faster if they are visualized by images, so in overviews it can be helpful to display column content as image. In our example, users should be able to see at a glance whether their application has been approved or rejected.

Example: Configuration of the column type **Approval** for the overview of ACME's Idea Management Process

Approved:



Rejected:



In Review:



Irene Adler wants to insert a column **Approval** in the overview indicating whether or not an idea has been approved or is still in review.

The display is to be made by means of pictures.

Ideas Overview

Filter

Employee Name

Department

NEW

Instances table

Employee Name	Department	Initial Proposal	Revision?	Revised Proposal	Status
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Edit: Instance Table

Name

nsDefaultInstancesTable

Description

HashTags

Additional CSS Classes

Display Button 'Delete'

Default Page Size

5

Column Configuration

Configure Column Type

Search Interval (sec)

Field Name in Container

Irene initially marks the instance table in the overview form. She subsequently clicks on the option **Configure Column Type**.

Column Type Configurator

Column Type
Create New Column Type

Column Type Name
Approval




Output Format
Image

	Operator	Reference Value 1	Reference Value 2	Output (Image URL, or Text)
<input type="checkbox"/>	=	no		https://www.ibm.com/icons/Arrow-Down.png
<input type="checkbox"/>	=	yes		https://www.ibm.com/icons/Arrow-Top.png
<input type="checkbox"/>	=			https://www.ibm.com/icons/Eye.png

CANCEL

Irene creates the new column type **Approval** and sets the **Output Format** to **Image**.

She defines three possible cases:

-  : This icon should be displayed if the value **no** is set.
-  : This icon should be displayed if the value **yes** is set.
-  : This icon should be displayed if neither value **no** nor value **yes** is set.

Then Irene saves the new column type.

Ideas Overview

Filter

Employee Name Department

Instances table

Employee Name	Department	Initial Proposal	Revision?	Revised Proposal	Status
---------------	------------	------------------	-----------	------------------	--------

Edit Instance Table

Name paDefaultInstancesTable

Description

Hashtags

Additional CSS Classes

☐ Display Button 'Delete'

Default Page Size 5

Column Configuration

Configure Column Type

Search Interval (sec)

Field Name in Container

Columns

	Column Name	Field Name in Container	Alignment	Hide	Column Sorting	Width	Column Type	Options for Column Type
<input type="checkbox"/>	Employee Name	ideaCreator	left	false				
<input type="checkbox"/>	Department	onboardingDepartmentId	left	false				
<input type="checkbox"/>	Initial Proposal	ideaDescription	left	false			text	
<input type="checkbox"/>	Revision?	ideaDecision value	left	false			Decision	
<input type="checkbox"/>	Revised Proposal	ideaRevision	left	false			text	
<input type="checkbox"/>	Approval	approved	left	false			Approval	<div>Approval</div>
<input type="checkbox"/>	Status	Status	left	false			text	
<input type="checkbox"/>	uuid	uuid		true			string	

START WIZARD

SAVE

CANCEL

Ideas Overview

Filter

Employee Name Department

Instances table

Employee Name	Department	Initial Proposal	Revision?	Revised Proposal	Approval	Status
<input type="checkbox"/> Irene Adler	Management	My best idea	desired	My very best idea		Checking idea
<input type="checkbox"/> Jane Marple	IT	New desks for the IT department				Showing process end "Approved"
<input type="checkbox"/> Eliza Doolittle	Accounting	Digitalize order billing	desired			Revising idea
<input type="checkbox"/> Henry Higgins	Marketing	Let us have a summer event for a denied				Showing process end "Rejected"
<input type="checkbox"/> Irene Adler	Management	Test idea				Checking idea

Now Irene needs to create a new column in the overview table. Therefore she switches to the **Column Configuration**.

Here she adds the column **Approval** which refers to the content of the Fieldname in Container **approved**.

In the selection list of the option **Column Type** the new type **Approval** is displayed so Irene can choose it for her new table column.

Then she saves her input.

The overview contains the new column **Approval**. Instead of the text (no/yes) the images defined in the column type are displayed.

Deleting a Column Type

You can also delete your own column types. Select the desired **Column Type** from the drop down menu, then click on the trash can:

Column Type Configurator

Column Type

Approval

Column Type Name

Approval

SAVE

Output Format

☒ Image

☐ Text

	Operator	Reference Value 1	Reference Value 2	Output (Image URL or Text)
<input type="checkbox"/>	=	no		https://scheen-bpaas.de/ssi/icons/Arrow-Down.png
<input type="checkbox"/>	=	yes		https://scheen-bpaas.de/ssi/icons/Arrow-Up.png
<input type="checkbox"/>	=			https://scheen-bpaas.de/ssi/icons/Auge.png

CANCEL

You will only be able to delete a column type if it is not used in other instance tables. If this is the case, then the user receives a pop-up informing in which models this column type is used:

Cross Reference

The Column Type could not be deleted. It is used in several models.

Model

Approval

also used in

Instances table (Instance Table / Attribute Link)

Request Table (Instance Table / Attribute Link)

Onboarding Overview Table (Instance Table / Attribute Link)

OK