

Using the Filter Operator in Visual Composer for SAP NetWeaver Composition Environment



Applies to:

Visual Composer for SAP enhancement package 1 for SAP NetWeaver Composition Environment 7.1
[For more information visit the Visual Composer Page](#)

Summary

You use the *Filter* operator to filter data by specific field values.

To demonstrate this capability, I created the "[Filter Operator](#)" application.

I used simulated services when creating this application, so that you can import the model I attached (see related content at the end of this article) and run it in your Visual Composer system.

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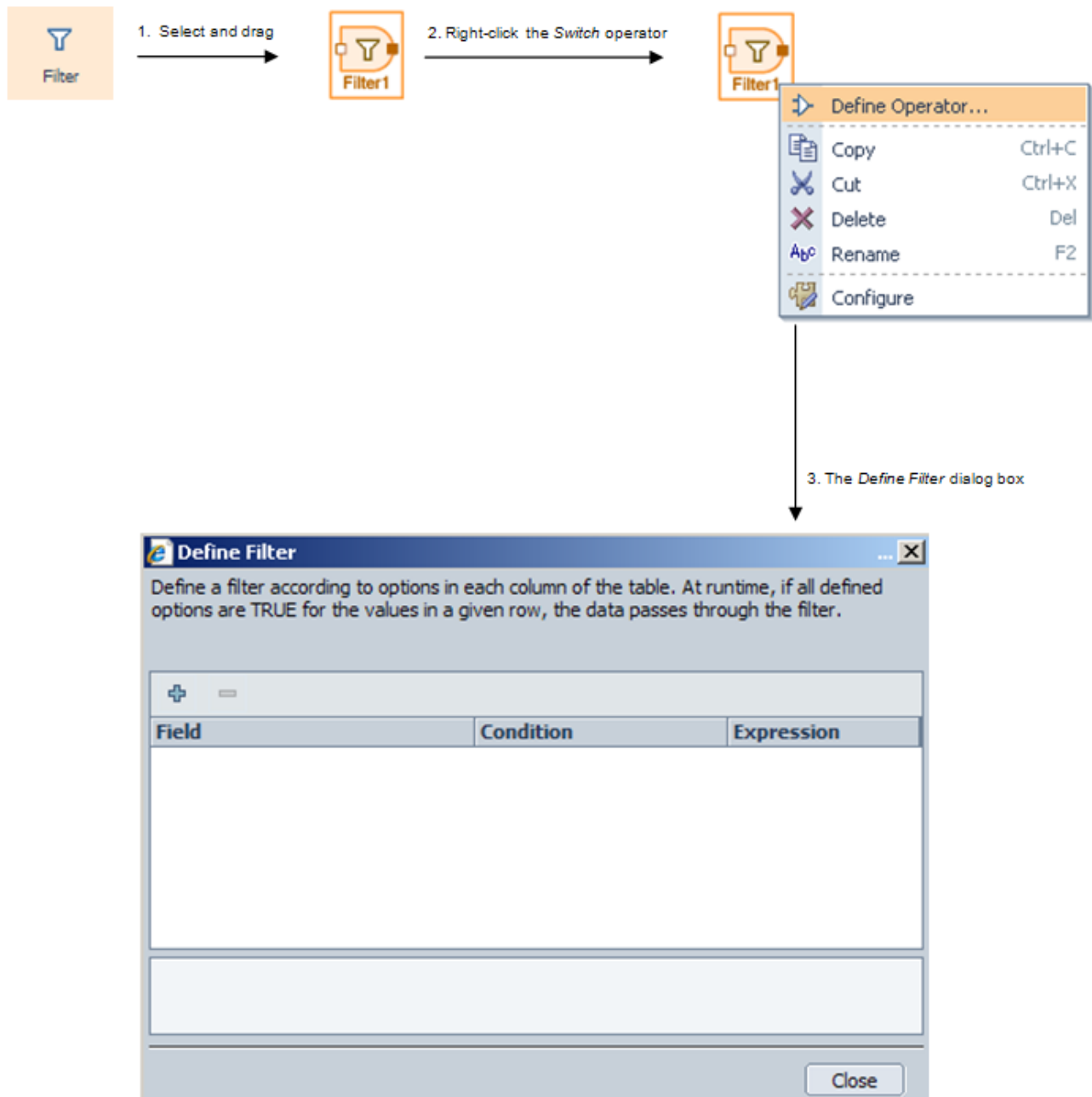
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Common Use Case

You use the *Filter* operator  to filter data by specific field values. For example, the [attached model](#) enables the user to display a list of customers and their details. The user can either choose to display all the customers or only customers from a specific country. The *Filter* operator is used in the application when the user chooses to display customers only from a certain country.

Defining the Filter Operator in Design Time

You display the *Define Filter Dialog Box* by selecting a *Filter* operator icon on the Design board and clicking the browse button next to the *Configuration* field in the Configure Element task panel, or by right-clicking the *Filter* operator icon on the Design board and choosing *Define Operator* from the context menu:



In the *Define Filter* dialog box, you can choose the condition by which to filter the field values:

- *Is equal to*: Value of the field exactly matches the value defined in the *Expression* field
- *Starts with*: Value of the field starts with the value defined in the *Expression* field
- *Ends with*: Value of the field ends with the value defined in the *Expression* field
- *Contains*: Value of the field contains the value defined in the *Expression* field

It is also possible to set a custom condition by entering an expression, or clicking the *fx* button to define an expression using the *Dynamic Expression Editor* dialog box.

Detailed information about the *Define Filter* Dialog Box can be found [in this link](#).

The Filter Operator in the Attached Model

Running the Model

1. Import, deploy and run the *Filter Operator* model.
2. To display customers from a specific country, select a country from the dropdown list.
3. The customers are displayed in the bottom table.

Tip:

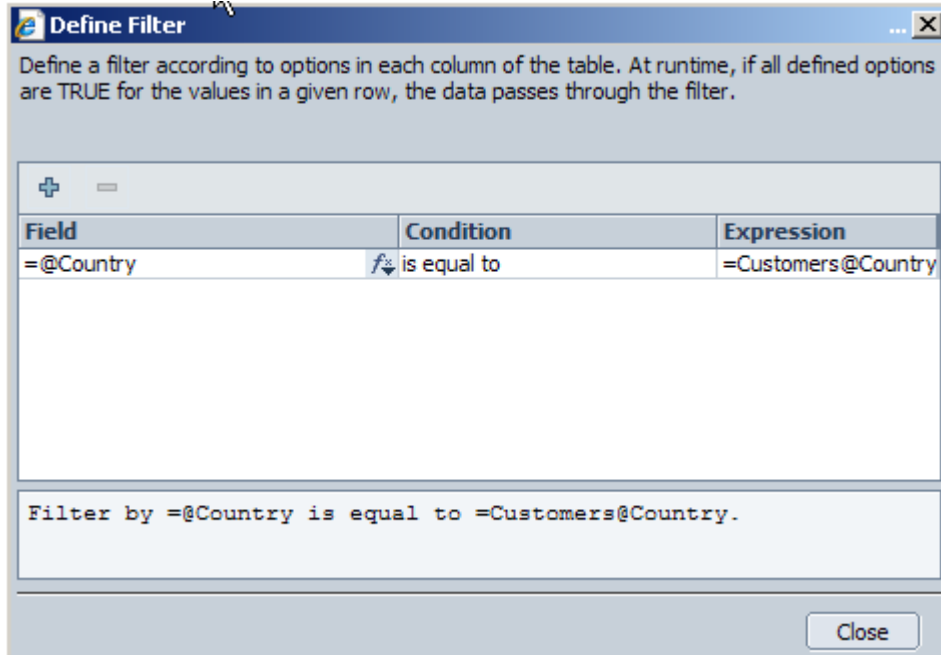
To display all of the customers, click the *View All Customers* button.

The Model Elements

Item	Description
Customers (Form)	This form enables the user to select a country by which to filter the customers or to display all customers.
Customers (Service component)	This data service supplies all the customer data.
Share1 (Data share connector)	The <i>Data share</i> connector holds the data coming from the <i>Customers</i> service component.
Filter1 (Operator)	This operator filters the customers according to the country selected by the user in the <i>Customers</i> form and sends it as input to the <i>Customers By Country</i> table.
Customers By Country (Table)	This table displays the customers filtered according to the selected country.

All Customers Table	This table displays all the customers.
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The *Define Filter* dialog box of the *Filter* operator in the attached model:



Related Content

[Define Filter Dialog Box](#)

[The Filter Operator model](#)

[For more information visit the Visual Composer Page](#)

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