SAP MII – Event Configuration

How-To Guide

How to Configure an Interactive Dashboard in SSCE of SAP MII

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Document History

Document Version	Description	Author
1.0	Initial version	George Wen

Table of Contents

1 Introduction

1.1 What is Event Configuration

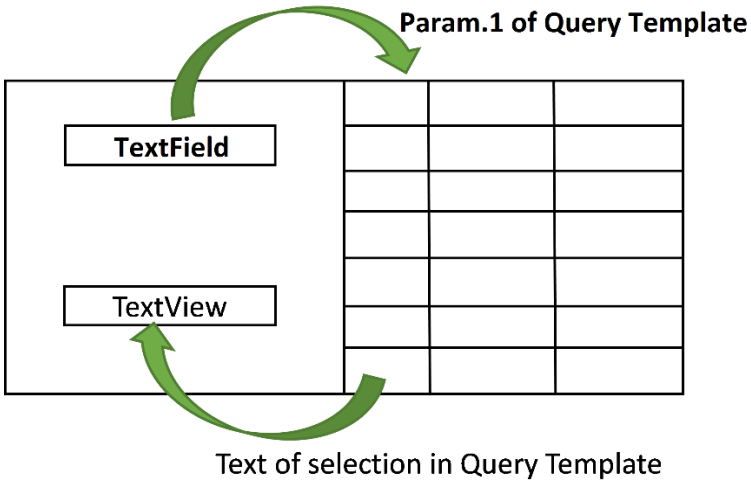
SSCE has provided a WYSIWYG design environment for dashboard content creation. But, in the past, if you want to design some interaction among the building blocks (cells) of a dashboard, you have to develop the customer code in *JavaScript*.

Starting from MII 15.1, you can define the interaction by Event Configuration in SSCE. With this, you will be able to select *Event* (for example, on object selection, or on value change) as trigger and bind it with different *Event Handlers* (for example, to refresh display based on the selection or value change). Of course, you will be able to define how the data passes between trigger and handlers.

2 An Example of Creating an Interactive Dashboard

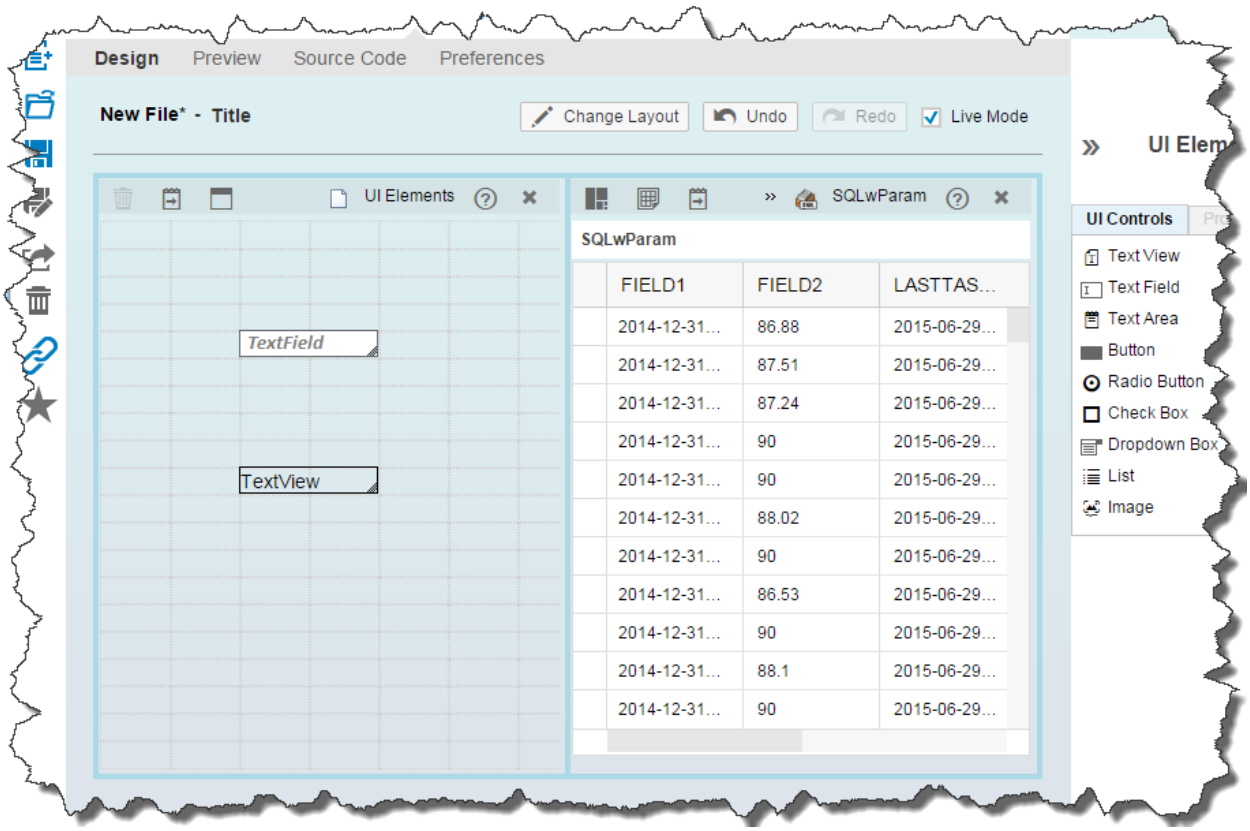
In this example, we will create a dashboard with 2 cells: left and right. On the left side, there will be two *UI Elements*: a *TextField* and a *TextView*. On the right side, it is a Query Template that can return different result sets based on different values of input parameter.

By following the configuration steps below, you will see the Query Template display different content according to different input in the *TextField* of the left cell. Furthermore, content selected in the right cell can be sent to *TextView*. The data flow shows as below:



2.1 Preparing Static Content of the Dashboard

Please refer to online help or the how-to guide to create the static content of the dashboard like below:

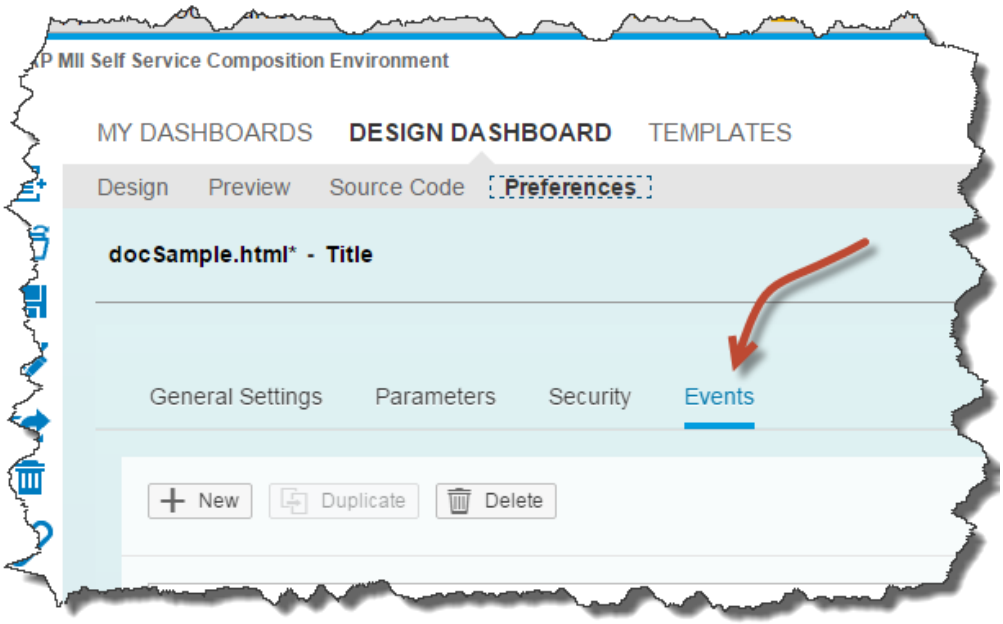


Here the right side is populated with a Query Template that accepts one parameter: Param.1. It will return different result sets according to different values given to Param.1. In this case, it is an SQL query:

```
SELECT * FROM <table name> WHERE FIELD2 like '[Param.1]%'
```

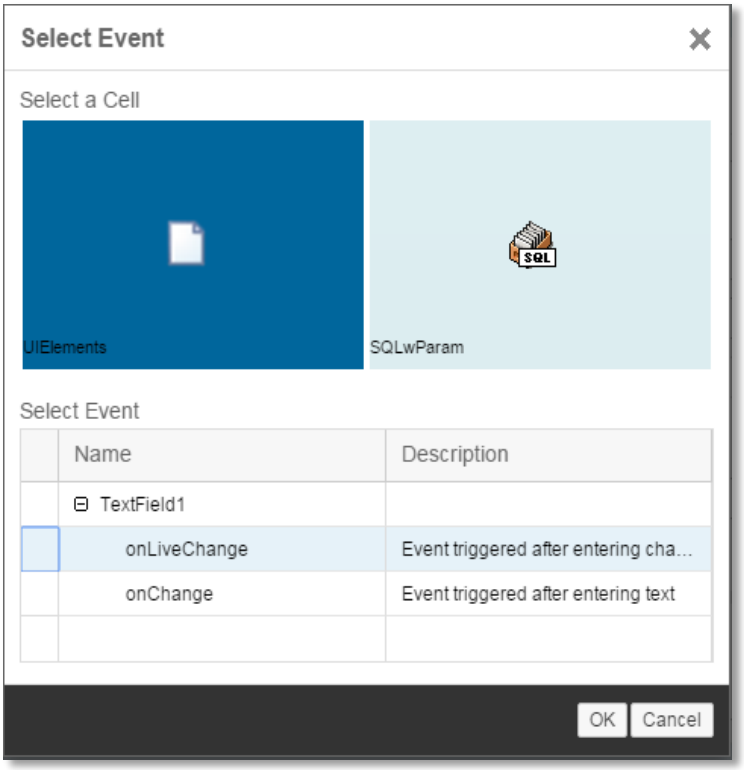
2.2 Configuring Interaction 1: *TextField* to *Query Template*

The interaction configuration (Event Configuration) can be done in the last tab in *General Settings* of the dashboard:



Follow these steps to refresh Query Template on the right side according to different options of the Dropdown Box.

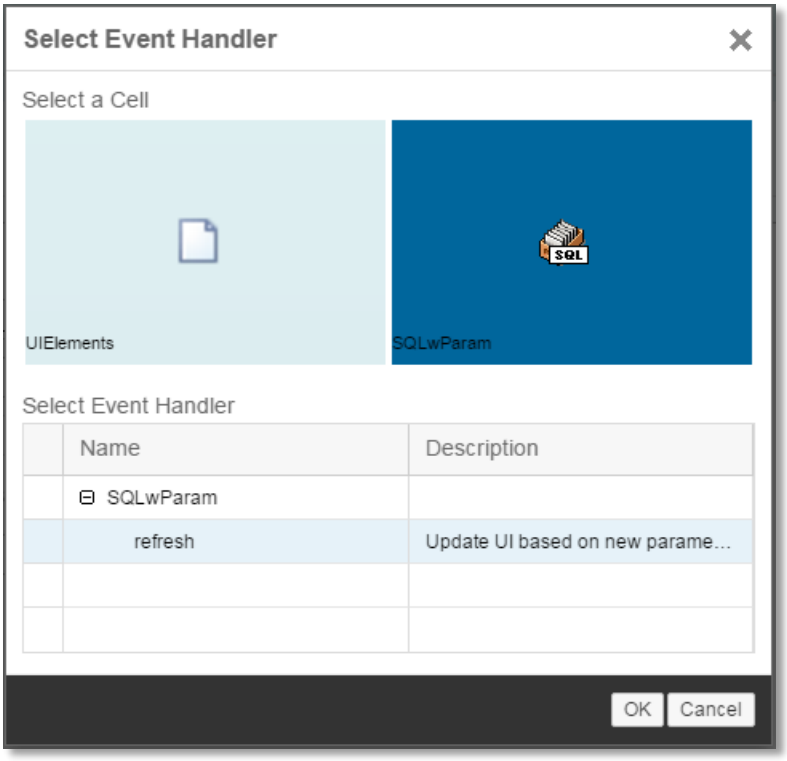
a. Click the *New* button to create a new item.
b. Click the *Active* switch to enable this new item.
c. Click on the input of *Event* to select the trigger of this interaction. You will see a popup dialog like this:



The upper panel of this dialog shows the thumbnail view of the dashboard. There you can choose from which cell the interaction is triggered. In this case, we choose *UIElements* in the left cell.

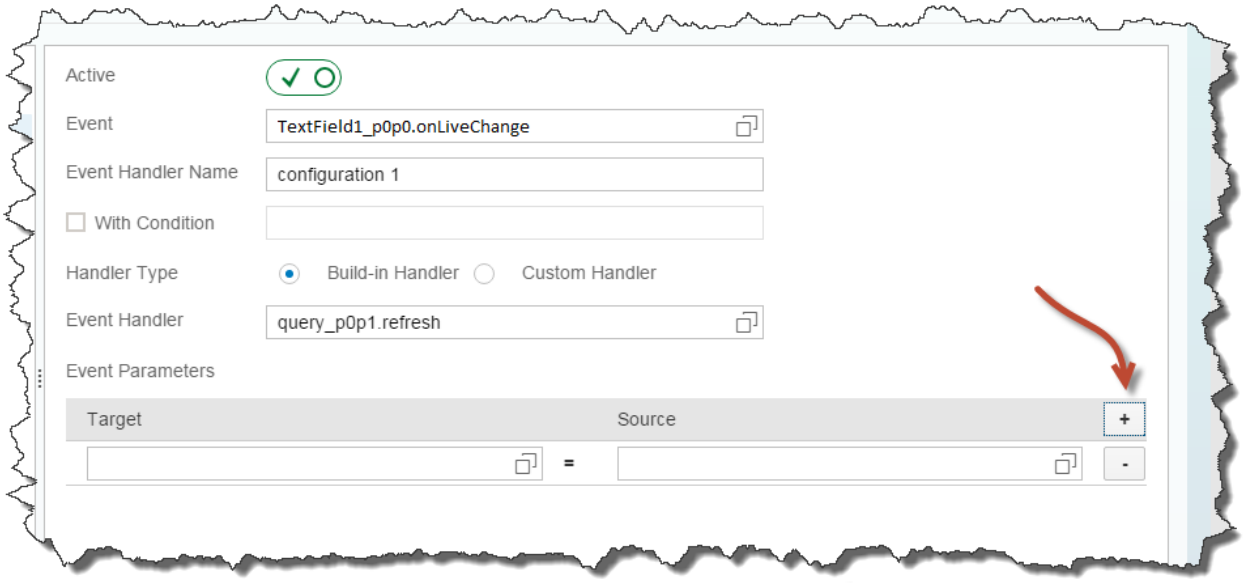
d. Expand the UI Element: Expand *TextField1* and select *onLiveChange* as trigger.

e. Click on the input of *Event Handler*, and you will see a similar popup:

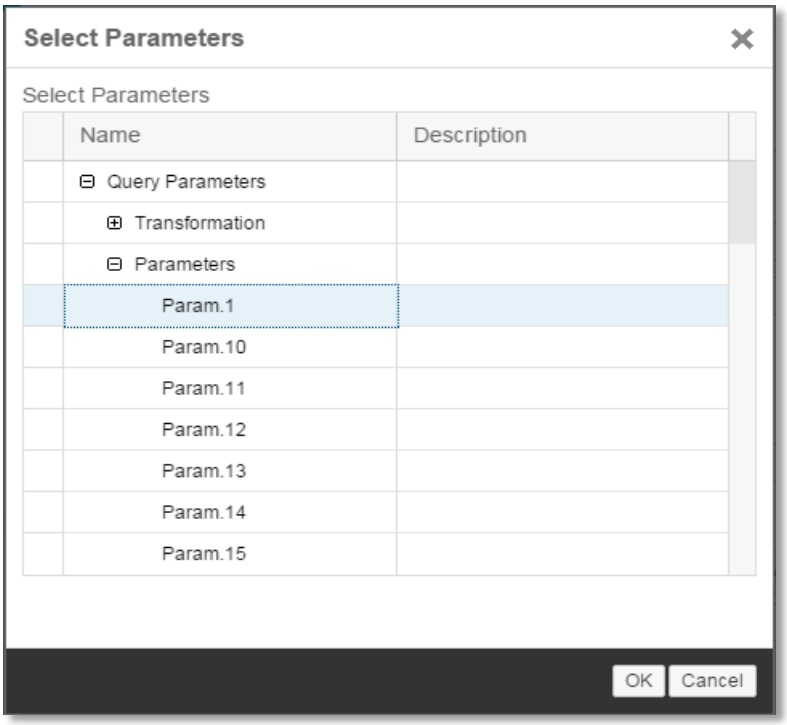


This time please select *refresh* from the Query Template *SQLwParam* as *Event Handler*.

f. Now, it is time to pass data from *TextField* to *Query Template.* To do this, click the "+" button in *Event Parameters*:

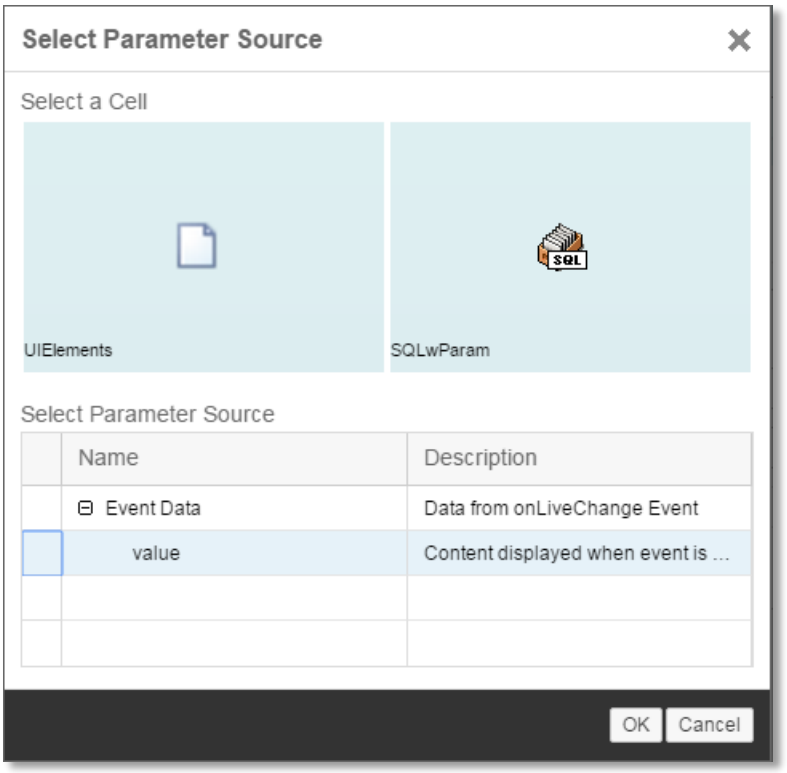


g. Click on the value help icon of the input box of *Target.* You will see the parameter dialog box like this:



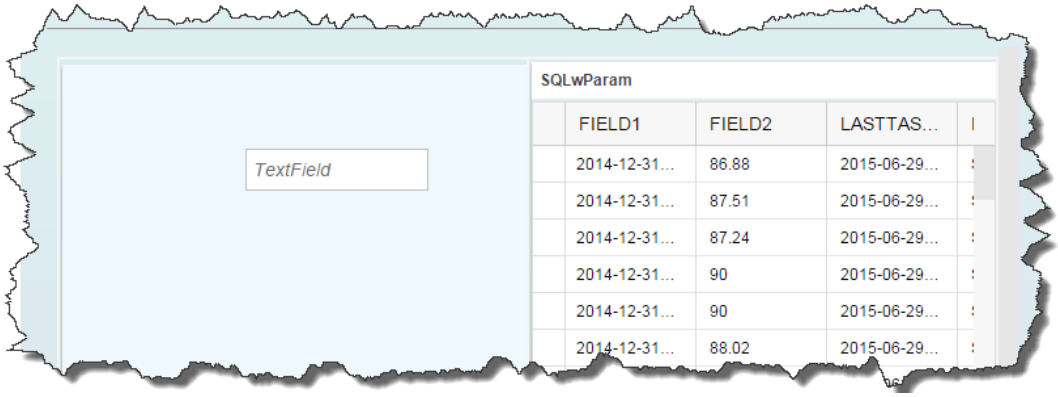
Select Param.1 as we designed our Query Template to return different results according to different values of Param.1.

h. Click on the value help icon of *Source*. You will see another dialog box like this:



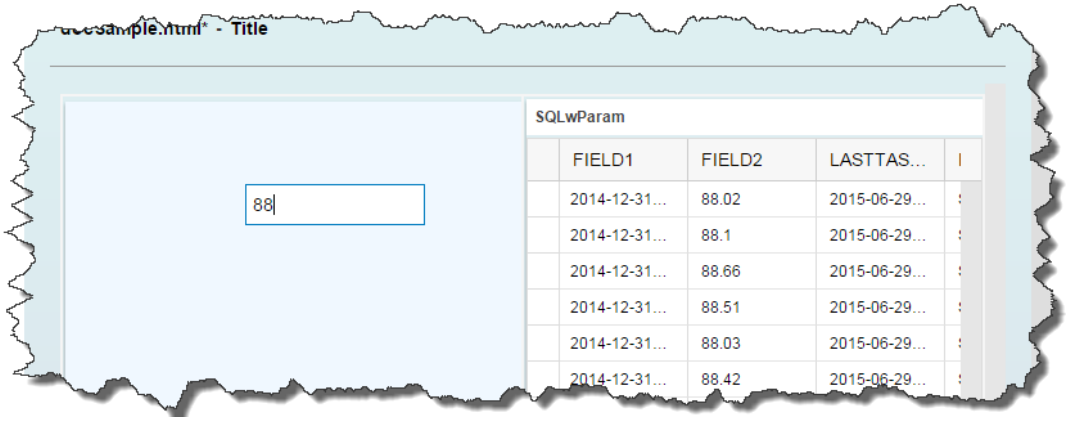
Select *value* as we want to pass input value of the *TextField* to Param.1.

i. Now preview your dashboard. You will see the dashboard like this:



You will see FIELD2 of the result set contains various numbers.

j. Input "88" in the text field, and you will see only those numbers starting with "88" be displayed:

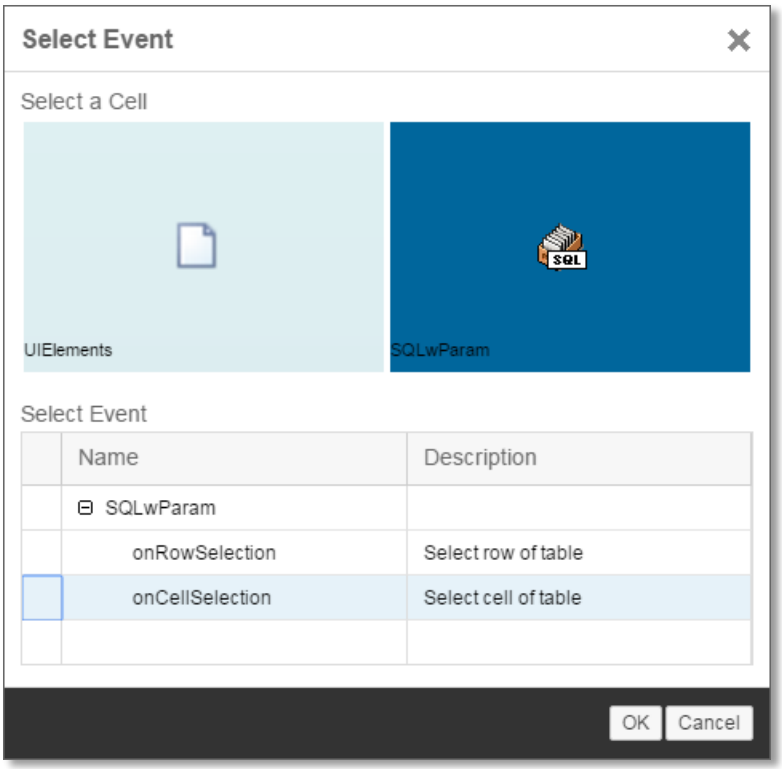


2.3 Configuring Interaction 2: *Query Template* to *TextView*

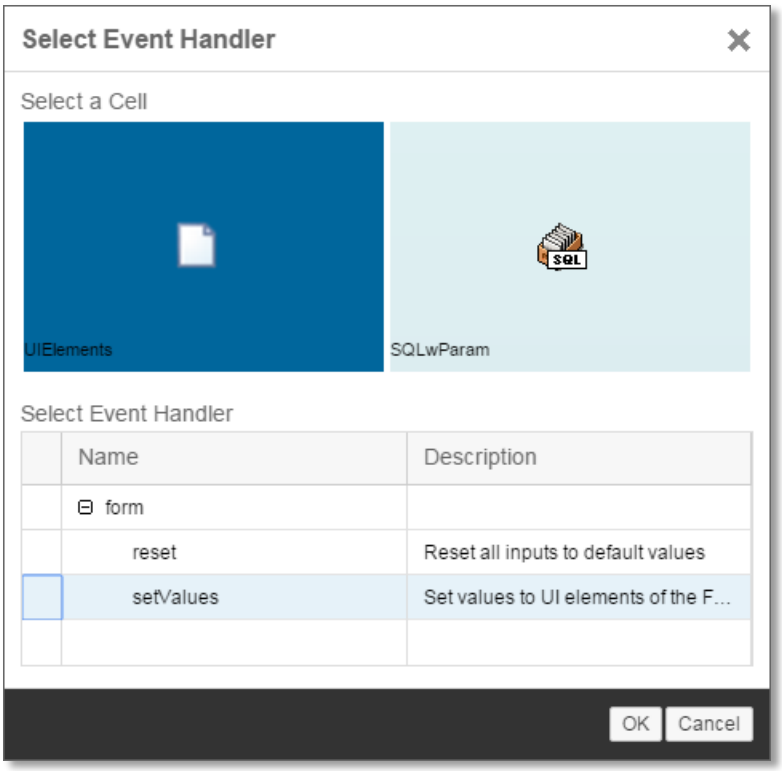
Sending data from *Query Template* to other components can be done in a similar way but with a different *trigger* and *handler*.

a. Click the *New* button to create a new configuration item.
b. Click the *Active* switch to enable this new item.

c. Select *onCellSelection* as Event Trigger.

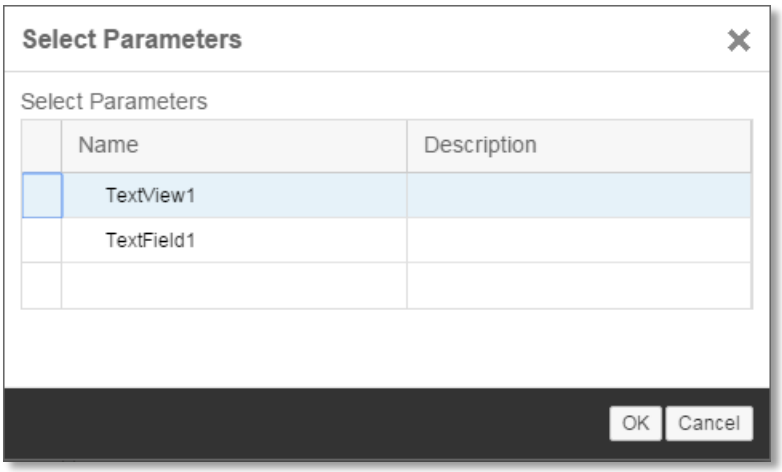


d. Select *setValues* as Event Handler.

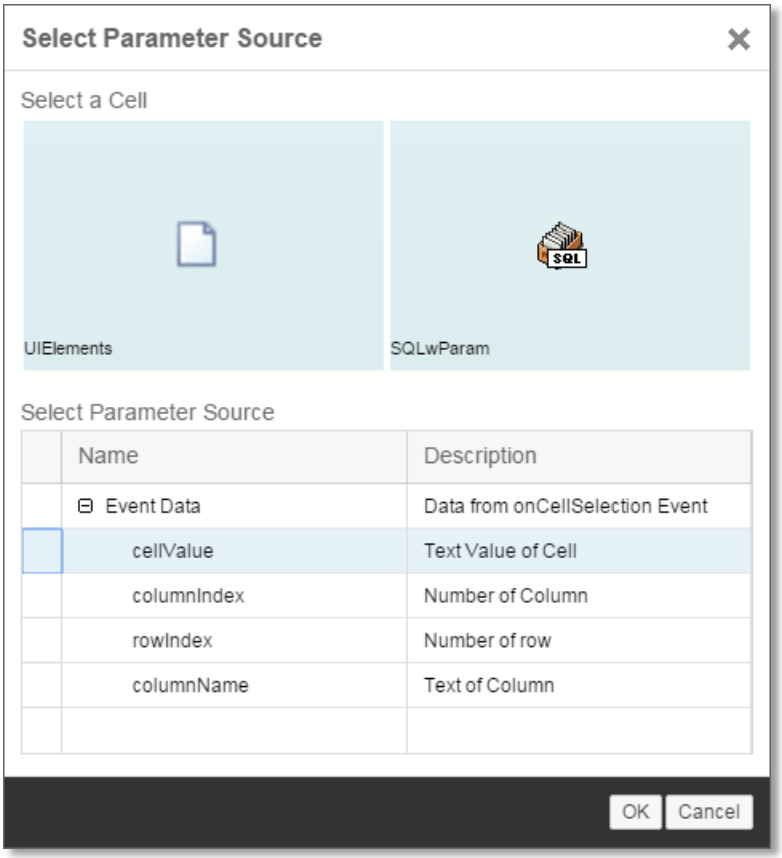


e. Now, define how to pass data from *Query Template* to *TextField.* To do this, click the "+" button in *Event Parameter*:

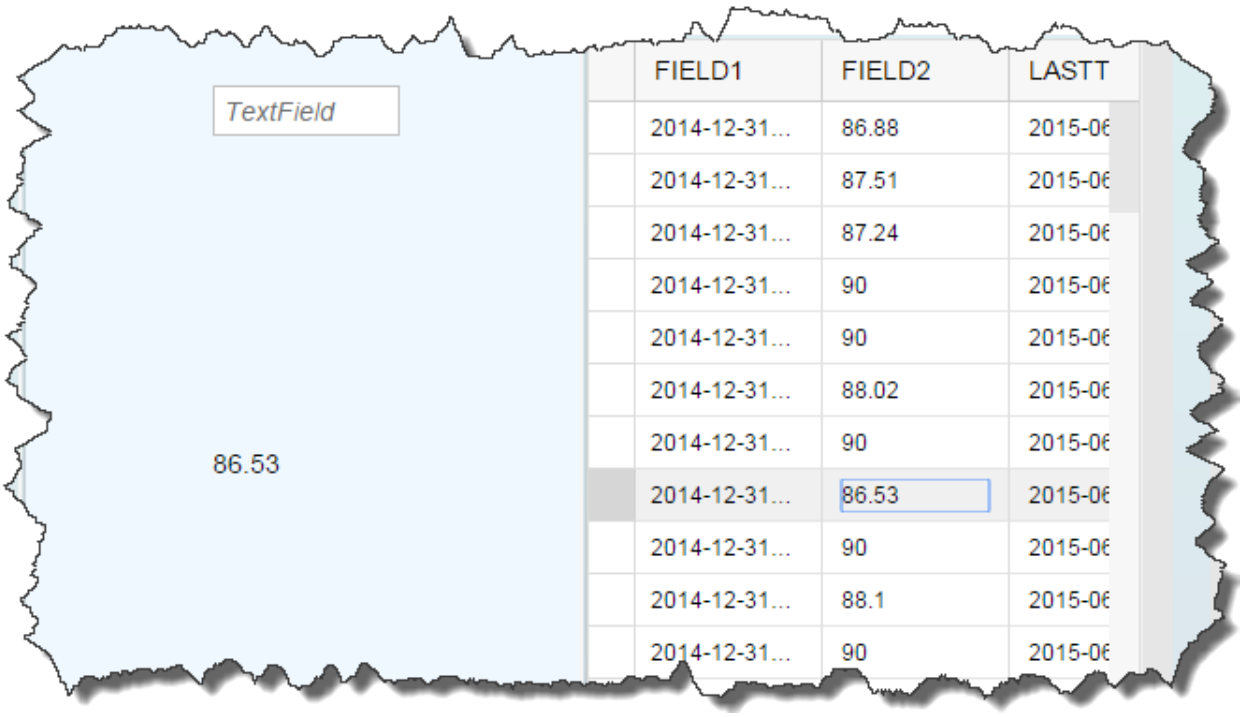
f. Click on the value help icon of the input box of *Target* and select *TextView1* as target:



g. Click on the value help icon of the input box of *Source* and select *cellValue* as source:



Now you should be able to preview the dashboard and see that the click on the Query Table will bring the selected text into your *TextView*:



As you can see, every component has its own list of supported *Trigger*, *Handler*, and *Parameters*. Event Configuration will help you bind them together to create an interactive dashboard for drilldown, filtering, and much more.