Step by Step Guide – How to Use BI Queries in Visual Composer

Applies to:
SAP BW 7.x. For more information, visit the EBW homepage.

Summary
The objective of this Article is to explain step by step guide to use the BI queries in the Visual composer with from start to end and cover all the component of the VC.

Author: Viral Shah
Company: Tata Consultancy Services
Created on: 25 October 2010

Author Bio
The author has been involved in SAP BW Implementation and Support Services and having more than 3 years of experience and part of many SAP implementation project.
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Information and Instruction

This document will give you the step by step guide to The objective of this Article is to explain step by step guide to use the BI queries in the Visual composer with from start to end and cover all the component of the VC. This is really useful for the beginners and give very clear idea about using the Queries in VC(visual composer).

Following are the important point.

- Please assume that FI queries are already created.
Step By Step Solution

How to Create Model

- Below figures show that how to create new model.

- Go To Menu **Model -> New Model**
- To open Existing Model go To Model -> **Open Model**
- Give the Model name as the naming convention.
- And path is by default set.
- Click ok
How to Add Package

- Below figures show that how to add the package.

- Go to right Panel Select Package as show in figure.
- Just drag and drop to the screen window.
- Just rename the name of the package as naming conversion.
- Click enter.
- So now it creates package.
How to Create Page

- Below figures show how to add a new page into the design.

- Go to the right panel, select "Page" as shown in the figure.
- Just drag and drop it to the screen window.
- Just rename the name of the page as naming conversion.
- Click enter.
- So now it creates page.
How to Add iView

- Below figures show that how to add the iView.
- Just rename the name of the iView as naming conversion.
- Clicks enter.
- So now it creates iView.
- Then double click on the iView, it will appear the design mode, layout mode and source code.
Configure

- Go to right side panel you can see the six components.
- It is configure Element to configure the design layout.
Browse

- Browse is used to display tree or top level element for Model.
- It will give all the list of pages, iview.
Compose includes components, Connectors, Operator and Additional Operator.

**Components:** Form view, table view, chart view, HTML View, Nested iview, Layer.

**Connectors:** Start, End, Signal In, Signal Out, Popup signal, User Data and Data store.

**Operators:** Filter, sort, sigma, upper, lower and distinct.

**Additional:** Union, Intersect, subtract, Group By, combine.
Find Data:

- Find is used to find the process which you want to add in VC.
- Select the source system and select the process which we want to add.
- Like example if you want to add query, select SBD as source system and then select query in Look for and then query name or technical name as search criteria.
- Click on search. You will find all queries related to your search and just select it and drag to design board.
Deploy:

- It is used to deploy or compile the report and check box is there for deploy entire model including all the pages and iview.
How to Create One VC Report: Step by Step

- Find the query using Find Data component and drag and drop to the Design Board.
- Like Select System = SBCCLN1XXX, Look For = query, Query = Zfia_03_0003 or ZFIAR_03*.
- You can see the list of the query regarding your search criteria.
- Drag and drop it.

After Drag and Drop the query, you can see the report box in the design.
Content of Query:

- You can see so many contents in Query.
  - Input
  - Output
  - Variables
  - Info
  - Messages
Variable:

- Use the Variable to utilize query variable.
- Give the name of Input form
- Right click on it.
- Select “Configure Element”

You can find the Configure Element window on right side.
There are configurations of Form View, Layout and Field & Control.
After Clicking on the Control.

You can find following points.

- Properties
- Add Value Help
- Controls Type.
Add Value Help

After click on the Add Value Help, following screen will appear.

- Select the type of the variable.
- Click Next.
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- Then select data service window will be appeared.

- Search the query.
- Expand the node up to characteristics Level.
- And Select the respective characteristics.
- Then Select Master Data Table at Get Data From.
- Then Press Finish.
- Value help is coming.
- Do same for all the variables. It is nothing but F4 help in ABAP.
- But if you want to change the component then the Process is different for Add Value Help.
- Now change component from input field to combo box.
- Now in these scenario, not able to find the Add Value Help menu.
- Now you have to go for properties.
- You can see tabs as per Components like following.
- **General**: control type, hidden, disable, required, data source info are included.
- **Display**: Label, tooltip, Border Style, Label Position, Layout.
- **Validation**: You can put the validation on the data also with error message.
- **Action**: System, custom, no action (By Default)
- **Entry list: Static**: You can give Static values in selection like company code will be 2000 or 2010.
  - **Global**: To set the Global values
  - **Dynamic**: It is used to set dynamic values from the source system.
After Clicking on the Dynamic Tab, another window will be appeared.

- You can set the Value Help from here also.
- Select query and the respective characteristic.
- And select input port and output port
- Click ok.
- Then next screen is like this..

- Add the Assigned value in output port.
- Then press close.
Output:

- You can set the result from the output.
- Just click on the output and press and drag and drop.
- You will find context menu where you find Add table view, add chart view, filter Data, sort Data, aggregate data.
- Click on Add Table View.

- New window is appearing named like "select Display Fields"
- Select the field.
- Click ok.
- Give the Name of Output table view.
- And configure some point through configure element panel appearing right side.
- And you can see the column and control also.
- And your can see hide option.
How to Add Form View:

- Just click on the Out of Table view and drag and select Add form view.

- Select the fields for which you want to create Form view.
- Click ok.
- Now Form View is appearing.
- Then rename it and you can see the configure element panel of form view right to the window.
- Year you can find field & control and hide option.
**How to Add the Info?**

- Info is used to give basic information about query and data.
- To add, click info and drag.
- Click on Add form View.

- Window is appearing to select the list of the information required in the report.
- Select the information
- Click ok.
- Then rename it.
How to Add the Chart?

- Process is same for the chart as add form view.
- So follow that point.

Layout:

- You can adjust the form in the window.
- Just select it and drag it.
- You can adjust the width, length and size also.
Save, Compile & Deploy.

- **Save:**
  - Click on the save button.
  - Or Model - > Save mode (ALT + S)

- **Compile**
  - Click on the compile button
  - Or Tools -> Compile Model

- **Deploy**
  - Click on the Deploy button
  - Or Tools -> D Model

**To open the VC:**
- Open your Internet Web browser with network access to the Visual Composer server.
- In the address bar, enter the URL to the Visual Composer server as follows:
  http://<machine name>.<domain>:<IIS port>/vcserver/
Related Content
For more information, visit the Business Intelligence homepage.
Migration of BI Modeling to 3.x to BI 7.x
For more information, visit the EBW homepage
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