



***Visual BI Extensions for SAP BusinessObjects Design Studio (VBX)***

***- Release Notes -***

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## 2 Introduction

### 2.1 Document History

This document is valid for the releases shown in the table below (see Table 1):

Major Release	Minor Release	Patch	Date
1	3	0	September 2015
1	4	0	December 2015
1	4	0	January 2016
1	4	3	March 2016
1	5	0	August 2016
1	5	5	October 2016
1	5	94	February 2017
1	6	0	April 2017
1	6	3	May 2017
1	6	8	July 2017

Table 1: Document History

### 2.2 Who Should Read This Guide?

The Release Notes Guide for the Visual BI Extensions for SAP BusinessObjects Design Studio (VBX) offered by Visual BI is meant for dashboard designers that will make use of the extensions.

## 3 What's new in Release 1.5 & 1.6

### 3.1 Upgrade Considerations – SAP BusinessObjects Design Studio 1.6 Service Pack 04

Please note, that the usage of SAP BusinessObjects Design Studio release 1.6 Service Pack 04 or higher will require the usage of Visual BI Extensions release 1.59.1 or higher. You can also see the details in the Supported Platform document:

<http://cdn.visualbi.com/wp-content/uploads/visualbi-extensions-for-sap-businessobjects-design-studio-vbx-supported-platforms.pdf>

### 3.2 Upgrade Considerations – Release VBX 1.5

Please note, that any existing SAP BusinessObjects Design Studio applications making use of the following components will have to get uploaded to our specific upgrade tool as part of the upgrade to release 1.50 of the Visual BI Extensions.

Following Components:

- Visual BI Extension - Listbox
- Visual BI Extension - Combo Box
- Visual BI Extension - Tag Cloud Chart
- Visual BI Extension - Range Slider Selector

In case you have a dashboard with any of these components, please follow these instructions:

1. Backup your existing SAP BusinessObjects Design Studio application.
2. Use the Export option (Menu Application > Export) and export your application.
3. Navigate to the specific Upgrade website - <http://cdn.visualbis.com/vbx150/>
4. Use the “**Choose File**” option on this website to upload the application.
5. After you uploaded the application, we will make the necessary changes automatically and you will receive the download of your updated application immediately.
6. Navigate to SAP BusinessObjects Design Studio and use the menu Application > Import to import the updated application to your system.

In case there are any issues, feel free to reach out to our Support Team : [Support@VisualBI.com](mailto:Support@VisualBI.com)

### 3.3 Release 1.68

In the following sections, we will outline the new features and functionalities of the release 1.50.

#### 3.3.1 Charts

- A new component – Gantt Chart – has been added to the VBX Specialty components.

#### 3.3.2 Maps

- The Location Analyzer now support multiple data source for a single map.
- The Location Analyzer allows now to select a measure per configured map layer.
- Several new scripting functions have been added to the Location Analyzer component, such as the ability to enable / disable map layers via scripting.

#### 3.3.3 Selectors and Filters

- Facet Filter
  - Support for Hierarchies has been added
  - The option to activate an intuitive navigation coloring has been added
  - A Full text search has been added
  - The option to configure the list of dimensions at runtime has been added
- Hierarchy Filter
  - The option to configure a Single or Multi Single selection has been added
  - The option to configure a selection mode has been added
  - The option to minimize the filter window has been added

#### 3.3.4 Utilities

- Custom Data Sources
  - A new component – Web Service as a Data Source – has been added, allowing you to connect to SOAP based web services and using Web Intelligence as a data source for your dashboards.
- Responsive UI
  - The option to do a real time mobile design has been added
- Export Components
  - Several UI enhancements have been added to Export to PDF and Export to PPT, allowing the user to configure more options at runtime
  - Support for large tables has been added
  - Ability to add multiple pages to PDF and PPT has been added

### 3.4 Release 1.5x

The list of fixed customer issues in the patch for the Visual BI Extensions, can be seen in Section 6 of this document.

### 3.5 Release 1.50

In the following sections, we will outline the new features and functionalities of the release 1.50.

#### 3.5.1 Charts

- The following new components have been added to the charts category:
  - Advanced Gauge
  - Linear Gauge
  - Waffle Chart
  - Calendar Heat Map
  - Tree Map
  - Tree Map Drill Down
  - Risk Matrix
- The ability to define a number format for the data labels and the tooltip has been unified across the charts.
- The ability to display and hide a loading message via scripting has been added.
- The ability to create a Lasso and a reverse lasso selection has been added to the chart menu for the runtime (consumption).
- The ability to display a smaller scaled chart for selection and navigation purpose – called Master Detail chart – has been added to the charts.
- The sample chart has been removed from the “No Data” screen. The “No data” screen will be displayed in situations where the data source has not been loaded or is empty.

#### 3.5.2 Maps

- The ability to setup a choropleth layer in combination with a GeoJSON file has been added to the Location Analyzer
- The ability to setup a bubble layer has been added to the Location Analyzer.
- Conditional Formatting capabilities have been added to the Location Analyzer as well as the Heat / Bubble Map component.

#### 3.5.3 Selectors and Filters

- Search capabilities have been added to the Hierarchical Filter component.
- The ability to define an Expand to Level for the hierarchical filter has been added.
- The ability to display compounded characteristics have been added to the List Box, Combo Box, and Facet Filter.
- Scripting capabilities have been enhanced for the List Box and Combo Box, allowing to add items to these components using scripting functions.

### 3.5.4 Utilities

- The following new components have been added to the Utilities category:
  - Pictogram
  - Advanced KPI Tile
- The Table component provides a usage mode called “Simple Mode” to increase the performance by disabling features, such as a search or interactive sorting.
- Scripting functionalities for the Export components (PDF and PPT) have been enhanced, allowing to export the dashboard or a subset of the dashboard using scripting and bypassing the export dialog.
- The Responsive UI container allows now to specify the font resizing based on the profile and device mapping.
- The PDF Export has been enhanced, allowing to export large tables across multiple pages.



## 4 Resolved Issues and Patches

The following is a list of customer support cases and it shows with which patch release these customer issues have been resolved.

Title / Description	Support Ticket ID	Release
Bug with ColumnBarChartNew	10627	1.54
Issue with Utilities in Table component	10631	1.54
VBX waterfall chart issue: conditions do not work when hierarchy is enabled	10645	1.54
Axis floor for secondary Y axis	10699	1.54
Background process / busy indicator	10646	1.55
VBX Waterfall chart issue: Disable the animation/reload of chart that happens after background process completion	10647	1.55
Loading Indicator	10690	1.55
Set visibility is not working	10694	1.55
Zoom feature is not working in the latest version of VBX software	10696	1.55
Issue with on click event of location analyzer	10748	1.55
Issue with Heat Map and list box	10750	1.55
GeoJSON Issues	10750	1.55
Solid Gauge / Responsive UI Issue in VBX 1.54	10759	1.55
Issue with DSXgetSelectedMembers* methods	10770	1.55
Advanced KPI Tile Issue	10785	1.55
Issue in VBX search box while searching elements with comma	10787	1.55
Overlapped values for Multiple axes chart	10793	1.55
Linear Gauge Issue when Exporting to PDF	10799	1.55
Table's Alert not working while changing the measures on click	10826	1.55
Numerous errors in the error log while working with your chart components	10828	1.56
Filters aren't passed to the chart when 'Show all measures' is enabled	10835	1.56
Drill down is not working for MI state	10847	1.56
VBX Component Issue Document_Maps OnClick	10702	1.57
Column Bar Chart Data Refresh Issue	10819	1.57
Hierarchical filter issue	10820	1.57
Hierarchical filter issue	10820	1.57
Listbox disappears	10842	1.57
Solid Gauge subtitles and gauge don't seem to render properly in Safari on mobile device	10843	1.57
DSXShowLoading/DSXHideLoading and Data Source are not loaded	10852	1.57
Donut Chart - Currency not displaying in the Legend after 1.6 SP3 upgrade	10856	1.57
Issue with Stacked Column chart after upgrade 1.6 SP3	10857	1.57
Facet filter - was able to be created without measure prior	10860	1.57
VBX 1.55 - Facet Filter not working	10860	1.57
List Box is flickering	10866	1.57
VBX 1.55 - List box	10866	1.57

Title / Description	Support Ticket ID	Release
List Box Disappears	10867	1.57
VBX 1.55 - Combo Box & List Box Issue	10867	1.57
Changing dimensions in a sparkline chart using script	10871	1.57
VBX Utilities: Table	10872	1.57
VBX 1.55 - ColumnBarChartNew ToolTip not displaying Currency	10874	1.57
Swapping dimensions for a column/bar chart - 1.55	10880	1.57
Negative numbers not displaying correctly after VBX upgrade to 1.5	10881	1.57
VBX1.55 SparkLineTableChart	10885	1.57
Export components (Export to PDF, PPT, Doc) are not working within a pagebook	10865	1.58
Hierarchical Filter - Enable / Disable the search dialog	10869	1.58
Hierarchical Filter - Search functionality works only after hitting Enter	10869	1.58
Hierarchical Filter - text "type to search" is missing	10869	1.58
Despite clearing the selection, "GetSelectedMembers()" still returns the previously selected member	10873	1.58
Column bar chart - Issue with DSXgetSelectedMembers() not working as expected	10877	1.58
Advanced KPI Tile Screen Resolution issue	10890	1.58
GEOHEAT map resize issue	10905	1.58
Sparkline Table chart - Chart column doesn't resize as expected	10906	1.58
Sparkline Table chart - Number of Decimals issue	10906	1.58
Search box doesn't resize automatically	10912	1.58
Drill Down Charts - Scripting / Events	10611	1.59
Issue with hierarchical filter and column/bar drilldown charts	10848	1.59
VBX Component Rendering Issue in Donut chart/ progress bar/pie chart	10851	1.59
Attempted to use PDF/PPT/DOC export with no success	10865	1.59
Formatting of bullet charts in Sparkline Table Charts	10870	1.59
Padding of the data label makes some labels disappear	10875	1.59
Table Component: Wrap Text Not Working	10889	1.59
VBX Table - Data wrapping	10898	1.59
VBX v1.57.1 Table	10901	1.59
Component Issue - Chart Container – Tooltip	10902	1.59
GEOHEAT MAP dynamic resizing issue	10905	1.59
VBX v1.57.1 SparkLine Table Chart	10906	1.59
Issue with Export to PDF component - Option "Full table print" doesn't work properly	10907	1.59
Component Issue - Chart Container + Bookmarking	10910	1.59
VBX 1.58 Table Freeze Header-Table header overlaps values while scrolling (Freeze header property is enabled).	10927	1.59
Map refuses to zoom in and out on touch device	10929	1.59
Combination chart on select issue.	10931	1.59
List Box Component – All Member selection - When we click on "All" members, On Click event of the component triggers more than once	10934	1.59

Title / Description	Support Ticket ID	Release
Pie Chart Component – Data Series Name Change. Unable to change the Data series name for Pie Chart component	10934	1.59
Issue with the VBX Table	10938	1.59
Issue with Filter on Drilldown Chart	10943	1.59
After upgrade to 1.58, solid gauge does not respond to DSXSet functions (at least set subtitle value and set data value).	10946	1.59
VBX- Pictogram Issues	10948	1.59
Advanced KPI tile Alert Issue	10953	1.59
Bullet Chart – ToolTip first label - Tooltip is showing zero (“0”) data for the Qualitative measure set in the chart properties	10965	1.59
Component Issue - Combo Box - JS Error - BO Explorer app	11008	1.59
Heat and bubble maps - When display attributes are activated, the measures are not listed in data series	10993	1.59.3
HighMap - Change in Data source	10750	1.59.4
Issue with hierarchical filter component	10848	1.59.4
VBX Component Rendering Issue	10851	1.59.4
In IE, Export to PDF doesn't work for a table when it has around 5000 data cells	10907	1.59.4
Issue with Filter on Drilldown Chart	10943	1.59.4
Charts - OnSelect and Deselect	10945	1.59.4
Table - Display Issue with Data Set	10961	1.59.4
List box - Dimension members that contains comma (,) are split into two different items only when DSXSetItems() is used	10966	1.59.4
Bullet Chart - The tooltip gets truncated when the height is set to 220 and below	10968	1.59.4
All Charts - Within a Responsive UI - "No Data Available" Smoke screen doesn't appear when the dataset is empty	10979	1.59.4
Grid Box- Alert Refresh Issue	10985	1.59.4
Issue with Location Analyzer - IE / Windows 10	10992	1.59.4
Table - Loading Indicator / scripting indicator	10995	1.59.4
Facet filter scroll issue	11009	1.59.4
Table - Alerts are not retained when data selection is done at runtime	11011	1.59.4
Table - Alert is not applied in the attached application	11011	1.59.4
VBX Charts - Total Result Colors Issue with SetDataSelection	11012	1.59.4
Charts - Onselect event triggers twice when using DSXclearSelection()	11015	1.59.4
Issue with Filter on Drilldown Chart	11021	1.59.4
Hierarchical Filter and BEx Query with Hierarchy Variables	11035	1.59.4
MIGRATION ISSUE - Data Label - Text Outline	11045	1.59.4
The listbox is flickering when the dashboard starts	11051	1.59.4
Table - not showing data without measure	11053	1.59.4
What If - Calculation not working	11058	1.59.4
Facet filter affects navigation panel	11063	1.59.4
Issues with Facet filter additional properties	11072	1.59.4
Table - Freeze header issue	11076	1.59.4

Title / Description	Support Ticket ID	Release
Responsive UI - DSXSetPanelWidth() throws script error	11089	1.59.4
Gauges - Dashboard Components disappear at Design Time	11040	1.59.5
Advanced Gauge - Data label issues	11080	1.59.5
Advanced Table - NaN is displayed when scaling factor is applied in measures	11084	1.59.5
Search Box not working	11130	1.59.5
VBX v1.57.1 SparkLineTableChart	10906	1.60
Bullet Chart - Scaling / Tooltip	10968	1.60
Line chart Issue	11004	1.60
VBX PDF Export Issues	11013	1.60
Hierarchical filter element unresponsive	11037	1.60
Drilldown chart issue	11041	1.60
VBX - Export Menu Theme Selection	11046	1.60
VBX 1.59.1 - Charts displaying sample data instead of "No Data Available" message	11047	1.60
Combo Chart scripting issue	11048	1.60
VBX 1.59.1 - Hierarchy Selector Issues	11052	1.60
Error on line chart in IE11 but not in Chrome	11068	1.60
VBX - Export menu not working in IE when running from BI Launchpad	11092	1.60
Chart Selection Issue	11094	1.60
Custom Theme - Chart Container - VBX 1.59.1	11096	1.60
Inconsistent display of table data	11103	1.60
Export to power point - problems/bugs	11118	1.60
FACETFILTER_1.DSXclearSelection(); leads to large white space on right hand side of component	11128	1.60
VBX 1.59.4 - Chart Container - Hierarchy drilldown is not working correctly – Issue	11134	1.60
VBX 1.59.4 - Chart Container - Display Dimension values - Issue	11135	1.60
VBX Component Issue - Version 1.59.5 - Risk Matrix Chart	11152	1.60
Facet Filter slows the performance of Design Studio in design mode	11154	1.60
VBX Component Issue - Version 1.59.5 - Risk Matrix Chart - 2	11155	1.60
Issue with the Custom Marker of Location Analyzer - Issue from International Prospect	11170	1.60
Table sorting issue	11174	1.60
Advanced KPI Tile Reset Issue	11190	1.60
Angular gauge issue	11191	1.60
Issue with marker layer - Location analyzer	11206	1.60
Cannot get XLS to load in Excel datasource utility	11213	1.60
Align threshold issue	11220	1.60
PPT export returns blank image when exporting DS Infocharts	11224	1.60
VBX Utilities Table Control	11228	1.60
Dual and multi axes - Issue with align threshold	11220	1.62
Dashboard loading slow due to Dual axes chart	11251	1.62

Title / Description	Support Ticket ID	Release
Circular counter -Unable to change Circle track color	11265	1.62
Hierarchical Filter - Too much data smokescreen doesn't appear	11198	1.63
Combo Box - Static Values not displaying	11218	1.63
Issues with Dual axis charts	11220	1.63
Stacked Percentage Chart - Data Label / Tooltip Display	11231	1.63
LinearGauge Scripting Function "DSXSetPlotbandValue" does not work as expected	11250	1.63
Issues with Dual axis charts	11251	1.63
Tag cloud - Not all the members are getting displayed	11255	1.63
Location Analyzer - Unable to apply filter using a filter line component	11266	1.63
Issue with chart container when assigned to an unassigned datasource	11273	1.63
Tag cloud - Not all the members are getting displayed	11279	1.63
Location Analyzer - custom icon	11280	1.63
Location Analyzer - Scripting - DSXGetIsLayerVisible	11288	1.63
Location Analyzer Filter issue	11266	1.65
Location Analyzer Maps Marker not stable	11280	1.65
Location Analyzer - Scripting - DSXGetIsLayerVisible	11288	1.65
Dashboard performance issue	11316	1.65
Dashboard performance issue	11321	1.65
PDF Export - Location Analyzer component not getting exported by the PDF Export.	11260	1.68
Scatter chart and bubble chart - Axis auto scaling is not working when a filter is applied	11274	1.68
Stacked Bar Chart - Data Labels	11290	1.68
PPT Export - InfoChart	11310	1.68
When a dimension is hidden in the initial view, the x-axis values are displayed as "No value"	11354	1.68
Advanced KPI Tile - Number Format not kept	11358	1.68
Conditional Formatting not working when dimension in rows but does when in columns	11360	1.68
Hierarchical filter - unable to filter members after making changes in the level tab	11364	1.68
What If Analyzer - Unable to add a calculation when the measure's technical ID contains 'hyphen'	11365	1.68
Dual Axis Chart - Not showing all data	11368	1.68
Dual Axis Chart - Not showing all data (2nd scenario)	11368	1.68
Advanced and linear gauges - Doesn't accept decimal values for tick interval	11375	1.68
Excel as Data Source - get Data resulting in wrong value	11388	1.68
Table - Excel as data source	11388	1.68
PDF Export - Full Table	11397	1.68

## 5 Known Issues

### 5.1 Release 1.3

In the following sections, we will outline any known issues for the release.

#### 5.1.1 Charts

- Any configured Conditional Formatting Rules from prior releases (prior to release 1.3) will have to be re-created after the upgrade to release 1.3 of the Visual BI Extensions.

## 6 Further Information

You can find further information about the Visual BI Extensions for SAP BusinessObjects Design Studio here:

User Guide:

<http://cdn.visualbi.com/wp-content/uploads/visualbi-extensions-for-sap-businessobjects-design-studio-vbx-user-guide.pdf>

Installation Guide:

<http://cdn.visualbi.com/wp-content/uploads/visualbi-extensions-for-sap-businessobjects-design-studio-vbx-installation-guide.pdf>

Supported Platforms:

<http://cdn.visualbi.com/wp-content/uploads/visualbi-extensions-for-sap-businessobjects-design-studio-vbx-supported-platforms.pdf>

Demo Videos and Demo dashboards:

<http://visualbi.com/sap-design-studio/dsx-extensions/vbx-video-demos/>

Product Documentation:

<http://visualbi.com/sap-design-studio/dsx-extensions/dsx-downloads/>



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