



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

- 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 2015
1	4	3	March 2016*
1	5	0	August 2016*
1	5	5	October 2016
1	5	9	February 2017
1	6	0	April 2017*
1	6	3	May 2017
1	6	8	July 2017
1	7	0	August 2017*
2	0	0	September 2017*
2	1	0	November 2017
2	2	0	January 2018 *
2	2	1	February 2018
2	2	2	March 2018
2	3	0	May 2018*
2	3	1	June 2018
2	3	2	September 2018*

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 2.x

In the following sections, we will outline the new features and functionalities of the release 2.x.

3.1 Release 2.32

In the following sections, we will outline the new features and enhanced functionalities of the release 2.32.

3.1.1 Additional Properties Sheet – German Support

A new option has been included to view the entire Additional Properties Sheet in German Language. The user can switch to English as well as German Languages based on their choice.

3.1.2 Advanced Label support for Self-service component creation

In Advanced Label component, you have a new option to create the self-service components in runtime using the property Enable Advanced Mode.

3.1.3 Advanced Table with more API Scripts

The following new Api Scripting Functions have been added in the Advanced Table:

- SetColumnVisible()
- SetColumnPinned()
- MoveColumn()
- SizeColumnsToFit()
- MoveColumnByIndex()
- SetQuickFilter()
- AutoSizeColumn()
- AutoSizeColumns()
- ExportDataAsCsv()
- ExportDataAsExcel()
- CollapseAll()
- ExpandAll()
- SetHeaderHeight()
- ShowToolPanel()
- DeselectAll()
- SelectAll()
- PivotMode()
- SetColumnWidth()
- DestroyFilter()

3.1.4 Custom Context Menu in Advanced Table

A new Feature Custom Context Menu has been now implemented in Advanced Table to create the Custom Context Menu items based on your choice.

3.1.5 Custom Context Menu in Charts

A new Feature Custom Context Menu has been now implemented in Charts to create the Custom Context Menu items based on your choice.

3.1.6 Conditional Formatting - Positive and Negative Value colors for Boolean Formats

A new option has been included in the Conditional Formatting Properties for configuring the positive and negative value colors for the Boolean Format.

3.1.7 ESRI Map Component

A new Mapping Component ESRI Map has been implemented that allows geographic analysis based on Latitude and Longitude information. The ESRI Map component allows you to configure custom Base Map layer using WebMap ID and to setup a Marker Layer.

3.1.8 Indoor Analyzer

A new component Indoor Analyzer has been added which provides an option to leverage an existing base map image and create areas on this image in the form of shapes that can be data bound. It also leverages the image such that it will be able to plot "data" on top by either using longitude / latitude values or X / Y coordinates.

3.1.9 Plot Line and Plot Band Scripting

The following new Scripting Functions have been added for Plot Line and Plot Band:

- DSXSetXAxisPlotBand()
- DSXSetXAxisPlotLine()
- DSXSetYAxisPlotBand()
- DSXSetYAxisPlotLine()

3.1.10 Stacked Waterfall Chart

A new option Stack Waterfall has been included in the Chart Type property in Waterfall Chart which provides the Stacked Waterfall Chart appearance based on the assigned data.

3.1.11 Sunburst Chart

A new component Sunburst Chart has been implemented which is a multilevel pie chart used to represent the proportion of different values found at each level.

3.1.12 Table Themes in Advanced Table

A new option has been included in the Advanced Table for configuring the predefined Table Themes and the type of Table Themes are Simple, Context Menu, Status Bar and Tool Panel.

3.1.13 Zoom Layer Selection for Location Analyzer

A new option has been included in the Location Analyzer to configure four different zoom levels for viewing the Marker Layer, Heat Layer, Cluster Layer, Choropleth, Bubble Layer and Flow Layer.

3.2 Release 2.3

In the following sections, we will outline the new features and enhanced functionalities of the release 2.3.

3.2.1 Advanced Column Bar Chart

A new Advanced Column Bar Chart has been added in this release which offers an intuitive way to compare any two measures. In addition to comparing two measures, it also adds a spotlight to the variance between these measures in terms of absolute and percentage values. Negative or Positive variance is automatically categorized as two series. This removes the need to add conditional formatting to highlight the quality of variance.

3.2.2 Advanced KPI Tile

- A new option has been included to add more containers to the selected container's top, bottom, left and right positions using the four different icons.
- A new option has been added to display a Status Indicator in the form of small "bar" on the left, right, top or bottom positions of the Advanced KPI Tile.
- Conditional Formatting for the Status Indicator has been implemented in the Advanced KPI Tile.
- Advanced KPI Tile is now provided with the additional option to display a two-sided KPI Tile based on the configured settings.
- Advanced KPI Tile now supports with a new option to select the predefined KPI Templates.
- A new option has been provided to the Advanced KPI Tile to set the Container Type as "Dynamic Container" as you can configure the Dynamic Container with VBX components as well as native components of SAP BusinessObjects Design Studio /SAP Lumira Designer.

3.2.3 Advanced Table

- A new option has been included in the Advanced Table which has the ability to select the theme for the Advanced Table by using the property Choose Theme for table so that the column headers in the Advanced Table will change according to the selected theme.
- Advanced Table has been now implemented with the property Formatted Data which displays the unit of measure values as prefix/suffix.
- Advanced Table has been provided with an option to enable the property Activate Context Menu so that the context menu options will be listed in the Advanced Table.
- A new option has been included in the Advanced Table which has the ability to set the property Style of Page Navigator to the option Text so that the page navigation will be displayed through text as "Page 1 of 3" in the Advanced Table.
- A new option has been added to configure the chart formatting so that you will able to view the Advanced Table with the formatted charts in a separate column for the assigned Dimensions and Measures.
- Advanced KPI Tile is now provided with an option to configure the Chart Type as Win/Loss Chart so that you will able to view the Advanced Table with the Win/Loss Chart in a separate column showing the positive values in green color and the negative values in red color.
- A new option has been included in the Advanced Table which has the ability to configure the Image Support for the Advanced Table by assigning the Image's source URLs as one of the Dimension.

3.2.4 Annotations, Series Labels & OR/AND Functions in Charts

- New Annotation option has been included in most of the charts.
- Most of the charts also support Annotation option as part of the run time.
- In most of the charts, you can enable/disable the Series Name and visualize the chart based on the configuration.
- In most of the charts, you can Show/Hide the Legends for the Series and visualize the chart based on the configuration.
- Series Label option has been included in most of the charts.
- In most of the charts, you can configure the pattern for the Series and visualize the chart based on the applied pattern.
- In most of the charts you can now define a custom ranking based on the available measures and visualize the chart based on the applied Ranking to the respective Measure.
- Most of the charts also are now able to support Conditional Formatting using Logical Operators OR and AND.

3.2.5 Bullet Chart Enhancements

Bullet chart is now provided with an option to define the Deviation Display Bar to view the difference value between the Performance Measure and the Comparison Measure.

3.2.6 Constant Data Source

A new Constant Data Source option has been included where you can build your own data source table as the constant data source and assign it for the VBX components.

3.2.7 Data Utility Component

A new Data Utility Component has been included which provides the Data Utility features in the run time. Here the user can reconfigure and create virtual copies of the assigned data source and select the dimensions and measures that should be used for the application, instead of using the complete data set.

3.2.8 Data Visualization for Heat Maps

By using the new option Enable Pie Map in the Additional Properties of the Heat Map, you will be able to visualize the Heat Map with the measures being represented in the form of Pie Charts based on the Dimensions selected in the Map.

3.2.9 Multiple Screen Support for Responsive UI

A new option has been included in the Responsive UI component where you can now use multiple screen designs inside SAP Design Studio / SAP Lumira Designer that provides the option to truly design the dashboard on how you would like it to appear across multiple screens on an Executive Dashboard.

3.2.10 OData Source

A new ODATA source option has been added and using this option, the dashboard designer via a generic ODATA connectivity will be able to provide the ODATA URL and then consume the information as part of any component in SAP BusinessObjects Design Studio /Lumira Designer.

3.2.11 Parallel Coordinates

A new Parallel Coordinates Chart has been added which helps the user to visualize and compare a set of data points that are defined in multiple dimensions and measures where each dimension and measure has its own axis.

3.2.12 Period Selector DWM

A new Period Selector DWM component has been implemented which provides you with the ability to add a period selector to your dashboard which will then allow you to select a value for the day, a week, a month and a value for the year with one simple control.

3.2.13 Runtime Deviation Bar

A new Runtime Deviation Bar option has been included in the charts to display the Deviation Value between one Column Bar and the other Column Bar. The deviation will be represented through a thin line bar showing the positive deviation in green color and the negative deviation in red color.

3.2.14 Sankey Chart

A new Sankey Chart has been added which represents a visualization used to depict a flow from one set of values to another. The things being connected are called nodes otherwise named as "dimensions" and the connections are called links otherwise named as "measures". Sankey charts are typically used to visualize energy or material or cost transfers between processes.

3.2.15 Slope Chart

The newly added Slope Charts are perfect for highlighting the story of how just one category decreased when other categories increased, or to show that one category increased at a rate much faster than the other categories. Slope Chart looks similar to Line Chart, but with certain visual changes, as slope chart serves the different purpose.

3.2.16 Sorting in Combo Box

A new option has been included in the Combo Box to sort the dimension list in the Combo Box.

3.2.17 Sorting in List Box

A new option has been included in the List Box to sort the dimension list in the List Box.

3.2.18 Spie Chart

The newly added Spie Chart is an overloaded version of a Pie chart, where you can vary the height of each segment along with its width. Unlike Pie, Spie will take two measures where one measure represents the slice's volume and other represents the slice's radius

3.2.19 Stream Graph

The newly added Stream Graph is a variation of a Stacked Area Chart, but instead of plotting values against a fixed, straight axis, a Stream Graph has values displaced around a varying central baseline. Stream Graph displays the changes in data over time of different categories with the help of flowing, organic shapes that somewhat resemble a river-like stream.

3.2.20 Time Slicer

A new VBX Component Time Slicer has been included which has the ability to select an "operator" type in a Calendar View as part of the configuration. It includes the below listed operator functions:

- Between
- After
- Before
- Last
- Next
- This
- Period

3.3 Resolved Issues and Patches with VBX 2.32

Title / Description	Support Ticket ID	Release
Advanced Table - Sorting of measure is not working as expected	11994	2.32
Export to PDF keeps spinning when using partial export	12245	2.32
Circular counter loads twice or thrice at start up of the application	12250	2.32
Issue with using two Tables at the same time in the Dashboard	12300	2.32
Selected Row clouds the panel which pops up	12370	2.32
Search functionality of list box is misbehaving when a compounded dimension is placed in the list box. The search options are bringing up the wrong results.	12402	2.32
Dual axis chart blinks or gets reloaded twice	12403	2.32
Too much data error for 13000 data cells in VBX Charts	12407	2.32
Previous State of the Chart is retained behind the smoke screen in a No Data available scenario	12421	2.32
Issue with DSXSetVisibility() of Heat Bubble map	12447	2.32
Waterfall Chart - thousand separator not getting applied in datalabels	12452	2.32
Heat Map Not displaying properly in Chrome	12485	2.32
Issue with Export to PPT and SAP standard components	12492	2.32
Advanced Table : Unable set the decimal places	12523	2.32
New table - Display dimension key and text - Key is shown twice	12529	2.32
Getting empty space in the table even after using fit to window option in additional properties	12530	2.32
Need Scripting option to clear the selections made	12612	2.32
Combo-box component	12617	2.32

3.4 Resolved Issues and Patches with VBX 2.31

Title / Description	Support Ticket ID	Release
VBX Hierarchical Filter component issues & questions	12263	2.31
Maximum Value causing Inconsistency Width of Progress bar	12313	2.31
Unable to view the Basemap URL while exporting the AAD (map) to PDF	12384	2.31

3.5 Resolved Issues and Patches with VBX 2.3

Title / Description	Support Ticket ID	Release
VBX 2.0 - Charts "No data Available" Message	11683	2.3
Issue with Scatter Chart after upgrade from VBX 1.63 to VBX 2.10	11981	2.3
Re: EXTERNAL: Re: Relative URL Functionality (Web Service Data Source) Not Working When Launching Dashboard	11998	2.3
Installing VBX 2.2 components shifts pie chart data labels outside their bubble	12013	2.3
Export to PDF - Issue	12016	2.3
Chart "blinks/is redrawn" when background processing is completed	12022	2.3
\`Bubble/Heat GeoMap\` and \`Location Analyser\`-unstable and one missing features which other have and vice versa.	12030	2.3
VBX Component Issue - Combo Box	12073	2.3
VBX Component Issue - HIERARCHIAL FILTER	12075	2.3
VBX Component Issue - Advanced Table	12076	2.3
Location Analyzer the tool tip is showing always	12108	2.3
Advanced KPI tile not showing datasource	12116	2.3
My application is incorrect	12166	2.3
Advanced Table	12171	2.3
Advanced table with 2 structure - data utility issue	12181	2.3
Bug in Advanced Table	12206	2.3
Map Does Not Resize at Runtime	12226	2.3
Getting Error: "The Component is not activated yet" while using Export to PDF, Export to DOC, Export to PPT, HTML Box in Design Studio 1.6 SP6 Patch 6	12245	2.3
Date Sort Order	12251	2.3
Sort Order in Funnel Chart (VBI- Design Studio extension)	12295	2.3
Stacked Group Colum Chart does not have option to show Data Label in percentage	12298	2.3
Font Color	12300	2.3
Maximum Value causing Inconsistency Width of Progress bar	12313	2.3
Advanced table - no data appearing	12321	2.3

3.6 Release 2.2

In the following sections, we will outline the new features and enhanced functionalities of the release 2.2.

3.6.1 Advanced Table

- New options have been included to define the column width based on Technical ID or Column Index.
- A new behavior has been included for the configuration value “Auto” for the table width, so that the columns will resize according to the overall table width.
- A new Context Menu has been included for the Advanced Table.

3.6.2 Advanced KPI Tile

- New options are available for the usage of the Advanced KPI Tile in combination with the Responsive UI container, allow you to hide / show specific elements of the Advanced KPI Tile based on specific profiles of the Responsive UI.
- The Advanced KPI Tile is now supporting multiple data source, allowing you to configure each tile container with its individual data source assignment.
- Enhanced scripting options have been included for the Advanced KPI Tile for options, such as setting text values like headers and footers via scripting.
- Support for Text Wrapping has been implemented.
- The Advanced KPI Tile now supports a “Selected” mode, which allows you to configure a background color for the complete tile for the event when the tile has been clicked / selected.
- The ability to configure the individual charts areas, such as title, axis labels, data labels, .. and several others has been added to the Advanced KPI Tile, so that you can configure those elements for each sparkline chart used as part of the Advanced KPI Tile.
- The option to show / hide a loading indicator has been added to the scripting
- As part of the Conditional Formatting for the Advanced KPI Tile, you also have now the option to configure the background color of the complete tile as part of the rules for conditional formatting.
- Additional options for displaying a KPI value, a corresponding Target Value, and a deviation indication have been added.

3.6.3 Dual / Combo / Multi Axis Chart

- Scripting enhancements have been added, allowing you to set the chart type and assigned axis using scripting.
- The ability to define the “order” of displaying the different chart types has been added.
- Our Dual / Multi-Axis and Combination charts support now the option to have one stacked chart type per available axis.
- Our Dual / Multi-Axis and Combination charts support now the ability to add trendlines to the chart.

3.6.4 Period Selector

- The Period Selector now supports the ability to define the Calendar Limits in a flexible way beyond a fixed set of 4 years.

- The Period Selectors also support the option to define the Calendar Limits based on the Current Year and a defined offset for the start and end year.
- Scripting options have been added to allow for setting the default values based on the current month, year, quarter, or day.

3.6.5 Listbox / Combo Box

- Scripting options have been added to retrieve a single or multiple single selected values in form of an array.
- A new visual option has been added, to add a checkbox for a multi-select display.
- The option to sort the elements of the listbox and combo box based on dimensions from the data source has been added.
- The option to add a member list without a data source assignment has been added.
- The option to configure target data source(s) for filtering directly in the Additional Properties has been added.
- The option to filter the list based on the conditional formatting rules has been added.

3.6.6 Maps

- The option to define custom data labels and custom tooltip configurations has been added to the Location Analyzer maps as well as the Heat / Bubble map component.

3.6.7 Gantt Resource Chart

- A new Gantt Resource Chart type has been added to the Gantt Chart such that when we have a Resource with multiple Start and End Time for a Task, the Timeline bar in the Gantt Chart will get split based on each Start and End time.

3.6.8 Pareto Series in Column Bar Chart

A new option Enable Pareto Series has been included in the Column Bar Chart. It contains both Column bars and a Line where individual values are represented in descending order by Column Bars and the cumulative total is represented by the line which would be useful for figuring out the most significant factors in your data.

3.7 Release 2.0

3.7.1 Common across all categories

- A new look and feel has been implemented for the Additional Properties.

3.7.2 Charts

- A new option to enable a context menu with functions such as Sort, Ranking, Filtering, ... has been implemented for the charts.
- The Data Utility options has been enhanced to work based on Technical ID as well as Index.
- A New CSS Tab has been implemented as part of the Additional Properties, providing access to all used CSS Classes for the charts.
- A consolidated tab Number Format has been implemented for the charts to provide access to all Number Format relevant options in a single place.
- A editor for custom data label and custom tooltips has been implemented as part of the Additional Properties.
- The Waterfall Chart now allows to define a custom sort of elements from the data source and it allows to define intermediate and final balances based on the information in the assigned data source.

3.7.3 Maps

- The Location Analyzer now supports the ability to define a Flow Layer.
- Several new scripting functions have been added to the Location Analyzer and the Heat / Bubble Map component.

3.7.4 Utilities

- Responsive UI
 - The option of a "Simple Mode" has been added, which allows to quickly configure a single layout for several profiles (iPad, iPhone, Laptop).
- A new Advanced Table component has been added, offering superior performance as well as functionality compared to the prior available Table.
- A new Trellis Component has been implemented, allow the user to see small multiples a long a defined drill path.

4 What's new in Release 1.5 & 1.6

4.1 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>

4.2 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

4.3 Release 1.68

In the following sections, we will outline the new features and functionalities of the release 1.68.

4.3.1 Charts

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

4.3.2 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.

4.3.3 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

4.3.4 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

4.4 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.

4.5 Release 1.50

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

4.5.1 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.

4.5.2 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.

4.5.3 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.

4.5.4 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.

5 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
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
List Box Disappears	10867	1.57

Title / Description	Support Ticket ID	Release
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
Pie Chart Component – Data Series Name Change. Unable to change the Data series name for Pie Chart component.	10934	1.59

Title / Description	Support Ticket ID	Release
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
Responsive UI - DSXSetPanelWidth() throws script error	11089	1.59.4
Gauges - Dashboard Components disappear at Design Time	11040	1.59.5

Title / Description	Support Ticket ID	Release
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
Circular counter -Unable to change Circle track color	11265	1.62
Hierarchical Filter - Too much data smokescreen doesn't appear	11198	1.63

Title / Description	Support Ticket ID	Release
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
Columnbar drilldown chart gets refreshed twice when we use DSXset() functions in drilldown / drillup event	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
Plus/minus not always visible	11369	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
Heat Geomap - Issue	11429	1.70
HCMAP Disappears when we use Latitude & Longitude as Address Type	11435	1.70
Issue with Export to PPT	11424	1.70
Plus/minus not always visible	11369	1.71
Progress Bar shows inaccurate track	11410	1.71

Title / Description	Support Ticket ID	Release
Margin property of X-axis title not working	11427	1.71
Progress Bar method DSXGetDataValue	11428	1.71
Location of Loading State	11448	1.71
VBX Extensions 1.69 causing issues	11462	1.71
Facet Filter - DSXClearSelection issue	11465	1.71
VBX Export Service Installation question	11466	1.71
HighMap - Click Event	11470	1.72
VBX Table not sorting when images are displayed	11474	1.72
Issues with Export to PPT	11424	1.73
Series color is not getting retained after filtering data	11450	1.73
VBX Component Issue - Bubble/Heat Geomap - Onselect is not working	11473	1.73
Facet Filter - Measure Filtering	11479	1.73
Column bar drilldown chart - chart resizing issue	11493	1.73
Advanced Tile gets recentered - migration issue	11494	1.73
The Bar Graph doesn't retain the selected appearance	11502	1.73
Donut Chart selection issue	11506	1.73
Chart not retaining selection after Filter is passed by another dimension	11511	1.73
HighMap - Click Event issue	11473	1.74
Drill Down Chart - Scripting issue	11517	1.74
PDF Export - Table not getting exported correctly	11519	1.74
Columnbar drilldown chart - Selection doesn't get cleared while passing filters	11523	1.74
VBX Component Issue Document_Maps OnClick	10702	2.0
Challenges with COLUMNBARDRILLDOWNCHART and HIERARCHIALFILTER VBX Components	11364	2.0
Loading indicator displayed while loading datasource in background	11396	2.0
Combo Box Search Issue	11405	2.0
Data series Labels - hyphen issue	11432	2.0
VBX Component Issue - Marker Color for Deselection Issue in Location Analyzer	11440	2.0
VBX Component - Location Analyzer - Symbols in Marker layer	11442	2.0
Waterfall requirement	11444	2.0
Hierarchical filter - Issue with setElement() Script	11475	2.0
VBX Component Issue - Location Analyzer- missing property	11476	2.0
VBX Component Issue - Location Analyzer- Filter issue	11477	2.0
Export with Tabs and Pagebooks	11480	2.0
PDF Export doesn't work for VBX charts	11481	2.0
VBX Component - Selection Issue - Period Selector YQM Multi Select	11483	2.0
VBX Component Migration Issue - Column bar chart	11484	2.0
VBX Component - Scroll and Bottom Margin Issue - Hierarchy Filter	11486	2.0
VBX Component - setElement api - Hierarchy Filter	11487	2.0
VBX Component Issue - Donut and Pie charts	11489	2.0
VBX Component Issue - Bubble / Heat Geomap	11495	2.0
Migration Issue-All Charts - Data Labels	11496	2.0
VBX Component Issue - Dual Axes Chart	11497	2.0
Measure selection is getting lost	11509	2.0

Title / Description	Support Ticket ID	Release
com.visualbi.charts.LineChart	11520	2.0
VBX Issue - Advanced Table	11533	2.0
Question on Colors	11537	2.0
Question of setting zero as minimum for line chart	11538	2.0
Export PPT	11542	2.0
VBX Table is missing Vertical Scroll Bar after Export to PDF	11544	2.0
WSDL connectivity and use	11545	2.0
Placement of the legend on maps	11546	2.0
Maps not opening or drilling after updating to 1.72	11552	2.0
Unable to Copy Bookmark URL - Combo Box	11553	2.0
VBX Component Issue Export to PPT and PDF	11554	2.0
VBX Component Issue - Export PPT	11555	2.0
Migration Issue - All charts	11556	2.0
Line chart - Issue with DSXSetDataUtility script	11561	2.0
Context Menu - Display Data - wrong structure	11562	2.0
VBX Component issue - Line Chart	11563	2.0
Advanced Table Dimension Formatting	11564	2.0
Advanced Table Row Formatting	11567	2.0
Facet Filter - Issue	11575	2.0
VBX Component Issue - Bullet Chart	11581	2.0
Support ticket - Pictogram	11582	2.0
Waterfall Chart - Sorting- Drill Down / Back up	11583	2.0
VBX Component Issue - Column Bar Drill Down Chart - Labeling	11586	2.0
VBX Component Issue - Pie Drill Down Chart - Labeling	11587	2.0
VBX Component Issue - Funnel Pyramid Drill Down Chart	11588	2.0
VBX Component - Heat Bubble map Drill up text	11590	2.0
VBX Component Issue - Minor Issues in Heat Bubble Map	11591	2.0
VBX Component Issue - Multisource issue in Location analyzer	11593	2.0
VBX Component Issue - Issues in Location Analyzer	11594	2.0
Issue while loading bookmark in Combination Chart	11595	2.0
VBX Component Issue - Choropleth layer not working and few Minor Issues in Location Analyzer	11596	2.0
Multi select in Grid Box	11599	2.0
Using Boxplot with individual measures	11603	2.0
Can't change the font of the Totals Display for a Stacked Bar chart	11606	2.0
Export to PDF Download Issues	11620	2.0
VBX issue with version 1.74	11623	2.0
Issue - Heat map and Advance Table in an RUI Panel	11631	2.0
VBX Maps	11635	2.1
Data label vertical alignment issue	11648	2.1
VBX 2.0 - Advanced Table - Excel Export Issue	11650	2.1
VBX 2.0 Advanced Table - Pivot Mode	11651	2.1
Data Label - Measure Value	11653	2.1
VBX_2.0 - Having issues with Dual Charts	11654	2.1

Title / Description	Support Ticket ID	Release
VBX 2.0 - Stacked Column/Bar Chart	11656	2.1
VBX Component Issue - Advanced KPI Tile	11657	2.1
VBX 2.0 throwing BIAL Script errors on existing dashboards	11666	2.1
Sorting axes in Combination Chart	11673	2.1
VBX 2.0: Gauge & Bar chart issue	11675	2.1
Export to PDF issue	11678	2.1
VBX 2.0 - Responsive UI Loading	11680	2.1
Lumira Designer 2.0 Export to Doc	11682	2.1
Lumira Studio 2.0 + VBX 2.0 - Testing Internal - Advanced Table - Bugs	11687	2.1
Lumira Studio 2.0 + VBX 2.0 - Testing Internal - Advanced Table - Bugs - Part 2	11688	2.1
Lumira Studio 2.0 + VBX 2.0 - Testing Internal - Advanced Table - Bugs - Part 3	11689	2.1
75% harvey ball icon changed when going to VBX1.7x	11695	2.1
Cannot access new methods in Web Service using the Web Service Data Source	11696	2.1
Y-Axis after Version 2.0 then with Decimals	11697	2.1
VBX - Issue request	11707	2.1
VBX Export to PDF - ColumnBar Chart selection issue	11708	2.1
VBX Export to PDF - Text appearance issue	11709	2.1
VBX Export to PDF - Table font enhancement	11711	2.1
Component Issue	11718	2.1
VBX Component issue - Gantt chart data grid width	11719	2.1
Issue with method DSXSetVisible()	11726	2.1
Component Issue- What if Analyzer	11727	2.1
FW: Lumira 2.0 Advanced Table Fix	11729	2.1
Reverse order for legend	11738	2.1
Need one feature for List Box	11743	2.1
VBX not working on mobile device	11764	2.1
GANTT Chart issue	11766	2.1
Drill Down Chart Scripting returning incorrect values	11783	2.1
VBX utilities: XLS datasource	11388	2.2
AdvancedKPITile Method	11421	2.2
VBX v1.67 issues	11574	2.2
VBX 2.0 - Advanced Table Issue	11645	2.2
Performance problem with Flow Layer	11698	2.2
Advanced Table gets distorted when disabling paging / Combobox Selected Key Issue	11734	2.2
Tree map chart - data label gets displayed for very small boxes	11738	2.2
Tooltip decimal and reading order for Calendar Heat Map	11742	2.2
Calendar Heat Map - Month -- Day	11746	2.2
Bubble chart - becomes blank when measure has null values	11751	2.2
Utilities - What if Analyzer Issue	11765	2.2
GANTT Chart issue	11767	2.2
VBX2.0 - issue with ColumnBarDrilldownChart	11783	2.2
PDF Export is slow to render on some applications and not slow on others	11788	2.2
Risk Matrix - Bubble size exceeds the risk matrix layout	11798	2.2

Title / Description	Support Ticket ID	Release
Trellis Component - No filter at top level possible	11801	2.2
Bullet Chart with negative performance measure not working	11803	2.2
VBX Table Issue	11805	2.2
Webservice as a Data source cannot handle blanks in cells	11810	2.2
Tooltip Bug	11811	2.2
Tooltip Issue - VBX 2.1	11812	2.2
Column resizing issue in Advanced Table	11831	2.2
Identical scaling not functioning properly	11833	2.2
Column bar drilldown chart - clear selection issue	11835	2.2
Pie Chart Re-Sizing Issue	11837	2.2
get data	11846	2.2
Listbox - Unable to select "ALL" members in IPAD	11855	2.2
Advanced Table - Scrollbars are not appearing in IPAD	11858	2.2
Advanced Table - Issue with hierarchy enabled data source	11867	2.2
Advanced Table - conditional formatting gets applied for scaled value and not for the actual value in datasource	11882	2.2
Smoke Screen Issue when no data is available	11887	2.2
Issue with identical scaling	11896	2.2
Calendar Heat Map - lists all the days in a year when outer domain is given as Month	11899	2.2
Waterfall Chart - throws JS errors when having custom theme	11906	2.2
Issue with Hierarchical Filter	11907	2.2
All Charts - Padding doesn't accept decimal values	11922	2.2
Bubble chart and scatter chart - Custom code not working	11930	2.2
Need to have an option - series re-order	11932	2.2
Reverse lasso option doesn't work well when chart is placed inside a grid	11942	2.2
GEO/Heat Map Index-based issue	11974	2.2
Page book with Scorecard Export failed	12004	2.21
Stretched printout of the PDF output using new scripting function "DSXExportAsFullPDF"	12041	2.21
ListBox - DSXGetSelectedValues() returns incorrect member after doing DSXSetSelectedValues()	11996	2.22
Map not working consistently when Lumira 2.1 is installed	12023	2.22
Calendar heatmap - Tooltip Enhancement	12051	2.22
Line Chart - series color defaults to black when adding a Waterfall Chart in the application	12065	2.22
Calendar heatmap - Dynamic date starts incorrectly and color scheme doesn't seem to be working.	12071	2.22
Location Analyzer- The Layers gets disappeared when we try to change the Map view.	12081	2.22
Dual Axes chart - Align Zero Threshold Not Working	12096	2.22
Advanced Table - Extra Columns in the header when dimension Formatting is done in the Additional Properties	12115	2.22

Title / Description	Support Ticket ID	Release
Advanced KPI Tile - Not able to select data from the data selection option, getting http status 404 error	12116	2.22
Calendar heat map - static date issue	12129	2.22
Key - Text Displacement in the Advanced Table	12143	2.22

6 Known Issues

6.1 Release 1.3

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

6.1.1 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.

7 Further Information

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

User Guide:

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

Installation Guide:

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

Supported Platforms:

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

Demo Videos and Demo dashboards:

<http://visualbi.com/portfolio/sap-lumira-designer-extensions-vbx/>

Product Documentation:

<http://visualbi.com/sap-lumira-designer/vbx-extensions#resources>



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