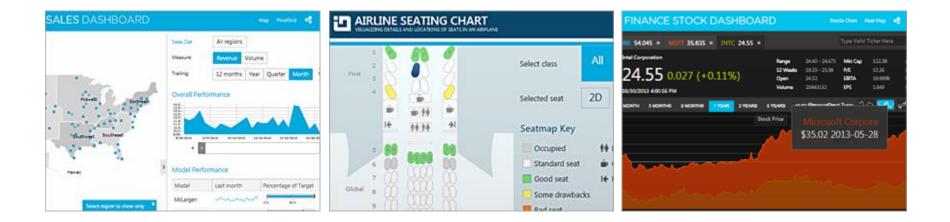


## Raise the Bar on Both BI and Desktop UI with Infragistics WPF Controls

Infragistics WPF controls provide breadth and depth in enabling developers to bring modern, trend-setting applications to market while shortening development time. If you need gesture/touch support, dynamic themes, and lightning fast performance in one WPF package, look no further.



## Installation

|--|--|

## What's Changed:

Component	Product Impact	Description
Busy Indicator	Bug Fix	During xamBusyIndicator display, Perform RestAPI and change isTabStop according to the result. But isTabStop can't be changed.
Chart	Bug Fix	Elements not in Visual Tree can have Bindings attached
	202117	An issue was found where the TitleSettings on an Axis would have no binding context. This has been corrected.
ComboEditor	Bug Fix	If a null value is added to the ItemsSource, it shows up very small and when hovered, blanks out the drop-down.
ComboEditor	Bug Fix	Interface inheritance causes NullException when filtering
ComboEditor	Bug Fix	Horizontal scrollbar is missing even though the test on menu item exceeds dropdown width
ComboEditor	Bug Fix	SelectedItems do not update correctly if bound collection updates while drop-down is open.
ComboEditor	Bug Fix	SelectionChanged is not fired item is deselected
		BubbleSeries render too big markers with default RadiusScale
DataChart	Breaking Change	If no RadiusScale is specified, bubbles in bubble series will now scale from 1/10th the viewport width to 1/5th the viewport width.



DataChart	Bug Fix	LineSeries misaligned when combined with multiple ColumnSeries
		The TypeConverter for BrushCollection doesn't support a lone brush
DataChart	Bug Fix	
		A scenario where attempting to provide a single string value from XAML for a BrushCollection typed property would result in no brushes has been resolved.
DataChart		ArgumentException occurs when changing theme.
		When using a XamMultiColumnComboEditor as the editor for a TemplateField, auto editing does not
DataGrid	Bug Fix	place the cursor inside the combo and the first key-stroke is lost.
DataGrid	Bug Fix	When there is TextWrapping on a Field with a star width, exporting the grid to XPS results in an incorrect view.
DataGrid	Bug Fix	When multiple DateTime fields are present, typing the filter operand does not work correctly.
DataGrid	Bug Fix	Special records appear to not be recycled correctly when changing the DataSource and setting RecordContainerRetentionMode to retain permanently.
DataGrid	Bug Fix	In some cases, when switching the data source of the XamDataGrid, the vertical scrollbar disappears when it should be visible.
DataGrid	Bug Fix	Using XamDataGrid ListModel Scrolling in Filterpopup causes StackOverflowException
DataGrid	Bug Fix	UITestControlNotFoundException when using Coded UI
DataGrid	Bug Fix	NullReferenceException occasionally occurring when setting all record visibilities to collapsed.
DataGrid	Bug Fix	NullReferenceException is thrown when IME input is used on a read only cell.
DataGrid	Bug Fix	Field labels occasionally wrap when auto-sized
DataGrid	Bug Fix	Slow performance when switching tabs after filtering or changing the data source on an out-of-view grid.
		BindingExpression path error occurs when clicking filter row to the XamDataGrid, when Office2013
DataPresenter	Bug Fix	theme is applied.
		Slow performance when exporting large data
DataPresenter	Bug Fix	Optimized both DataPresenter Excel export logic as well as serialization logic when exporting and serializing huge numbers of cells



DataPresenter	Bug Fix	Records are not grouped correctly (Last Month, Last Week, Today, etc)
Diagram	Bug Fix	XamDiagramToolbox causes design and runtime exceptions when no width is set
Diagram	Bug Fix	ZIndex property of diagram items does not do anything.
DialogWindow	Bug Fix	When IsModal = true and placed in a XamDockManager or other container, interactivity of controls outside of that container stops.
Editors	Bug Fix	When AcceptsTab is false, the tab key does not move to the next control
Excel	Bug Fix	RATE function results in a NUM error for a formula that results in a valid rate in Excel
Excel	Bug Fix	Applying a Top/Bottom percentage filter doesn't work correctly
Excel	Bug Fix	Unhandled ArgumentOutOfRangeException with filter applied on a sheet with a table
Excel	Bug Fix	Unhandled NullReferenceException when trying to copy after Delete all, when spreadsheet has comment
Excel	Bug Fix	Workbook.Load throws NullReferenceException when a shape with text is present.
GeographicMap	Bug Fix	XamGeographicMap is incorrect in RoyalLight theme.
GeographicMap	Bug Fix	XamGeographicMap is incorrect in RoyalDark theme.
Grid	Bug Fix	When scrolling, occasionally the cells will get misaligned with large grids.
Grid	Bug Fix	If ColumnWidth is set to "*" hiding all columns also hides the ColumnChooser.
Grid	Bug Fix	When a pre-existing filter is present, the FilterMenu does not always work correctly.
Grid	Bug Fix	Blank row appears on the bottom when a cell is navigated by Down key.
Grid	Bug Fix	Grid unexpectedly scrolls horizontally when expanding a group.
Grid	Bug Fix	Invalid Indexer specified from column key using brackets
Grid	Bug Fix	Getting InvalidCastException using XamGrid with multiple groupings and binding the grid with CollectionViewSource
Grid	Bug Fix	XamGrid getting InvalidCastException after refresh the ListCollectionView
Grid	Bug Fix	When the under key is pressed, the horizontal scroll moves. Only Windows 7.
Grid	Bug Fix	GetChildrenCore based on VisibleCells only (excluding Fixed Cells)
Grid	Bug Fix	Live instances of CellControl remain the same after resizing window
Grid	Bug Fix	Loading data takes about 40 percent longer in 17.2



Grid	Bug Fix	NullReferenceException when filtering using the FilterMenu and selecting a single entry.
Grid	Bug Fix	XamGrid is not displayed properly.
Grid	Bug Fix	When expanding multiple nested groups with a column only partially in view, the column scrolls into view without updating the scroll information.
Grid	Bug Fix	Null Reference Exception when refreshing the ItemsSource when a sort is present when using ICustomTypeDescriptor
Grid	Bug Fix	"Second" of DateFilterObjectType is wrongly translated into "2番目" "Second" of DateFilterObjectType is wrongly translated into "2番目"
Grid	Bug Fix	Blank row appears under GroupBy row when cells are navigated by Down key.
Grid	Bug Fix	When the up key is pressed, the horizontal scroll moves.
MaskedText	Bug Fix	XamMaskedEditor mask h not working.
Menus	Bug Fix	Menu items hover flashes for a second and then disappears
NumericEditor	Bug Fix	XamNumericEditor value is skipped from 0 to -1.99 when you click DecrementSpinButton. if It's set "{double:-8.2}" on Mask .
RadialGauge	Bug Fix	Needle length is shorter in Royal themes.
RadialGauge	Bug Fix	Some tick marks blink when the value is continuously updated and if there are many gauges running at the same time.
		A WPF rendering limitation has been worked around in the WPF radial gauge.
Ribbon	Bug Fix	XamRibbonWindow title moves off to the right when ResizeMode is set to NoResize.
Ribbon	Bug Fix	Window close buttons are different if a RibbonWindowContentHost.Ribbon is present versus when it isn't in Windows 7 when using a classic theme
Ribbon	Bug Fix	Classic minimum/maximum/close buttons and underbar appear on title bar when the OS is Windows 7, its theme is classic and the application theme is Office 2013.
Schedule	Bug Fix	The checked states of the checboxes is applied on lost focus
Schedule	Bug Fix	Groupboxes's headers in the AppointmentDialog are not styled correctly
SpreadSheet	Bug Fix	Column widths are different from a template Excel if DPI scale for Windows display is not 100%.



SpreadSheet	Bug Fix	Unhandled ArgumentException when deleting rows after trying to apply filter (xamSpreadsheet assembly)
SpreadSheet	Bug Fix	Long text in shape is displayed outside the shape
SpreadSheet	Bug Fix	Unhandled ArgumentOutOfRangeException after deleting the first group of worksheet columns
SpreadSheet	Bug Fix	Unhandled ArgumentException after deleting filtered table cells, upon Undo
SpreadSheet	Bug Fix	Not possible to add a new sheet while the focus is in Named cells
SpreadSheet	Bug Fix	Drag down and Deletion not possible /not displayed/ in Conditional Formatting data until vertical scrollbar used
SpreadSheet	Bug Fix	Spreadsheet becomes unresponsive on Cut - Select All - Paste
SpreadSheet	Bug Fix	Mouse wheel up does not show the header when lots of contiguous rows are hidden
SpreadSheet	Bug Fix	Unhandled 'System.ArgumentNullException' at InfragisticsWPF4.Documents.Excel on Undo after deleting spreadsheet containing table with comments
SpreadSheet	Bug Fix	Copying spreadsheet rows that contain hidden table rows distorts the spreadsheet
SpreadSheet	Bug Fix	A line appears after a shape has been hidden
SpreadSheet	Bug Fix	XamSpreadsheet performance issue using double click.
SpreadSheet	Bug Fix	Pasting Font over a cell that has content is not immediately applied
SpreadSheet	Bug Fix	Unhandled InvalidOperationException at InfragisticsWPF4.Undo.v18.1.dll after deleting a table and a textbox
SpreadSheet	Bug Fix	Impossible to paste a table with hyperlinks after column was deleted
SpreadSheet	Bug Fix	Spreadsheet gets unresponsive after copy and delete (table with hyperlinks)
SpreadSheet	Bug Fix	XamSpreadsheet causing ArgumentException when selecting merged cell using shift key.
SpreadSheet	Bug Fix	Data is lost after Cut/Paste in a table except for the first column
SurfaceChart3D	Bug Fix	SurfaceChart renders axis labels over the surface when Scale is set to very high value in code
ThemeManager	Bug Fix	ThemeManager throws Xaml parse exception when ApplicationTheme is set in latest service release Fixed an issue with duplicated/missing legend templates in Theme assemblies.



	Tooltip style does not set ContentTemplate for internal ContentPresenter	
Themes	Themes Bug Fix	We added an explcicit Tooltip style to Thumb Slider and fixed the content presenter so custom content can be applied to the tooltip.
Themes	Themes Bug Fix	There is no selected unfocused style for the RoyalDark themed ListBoxItem
		LisboxItemStyle updated.
Timeline	Bug Fix	A maximum of seven event entries can be shown for a single point in the timeline, even if there is room for more.
		The constraint on the number of XamTimeline event titles in one spot was removed.

