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| C:\Work\NetAdvantage\DEV\XAML\2014.2\Samples\XAML\Showcase.Apps\IGExtensions.Common\Images\apps\IgAppWhite.png | INFRAGISTICS WPF 17.1 –  Volume Release Notes – 2017 |  |  |

**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.

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# Installation

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| Downloading | [Download Infragistics Controls for WPF here.](http://www.infragistics.com/products/wpf/) |

# What’s New

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| --- | --- | --- |
| Component | Feature Name | Descriptions |
| xamSchedule | Royal Dark Theme for xamSchedule | There is now a Royal Dark Theme for all views of the xamSchedule control. |
| xamDiagram | Restricting User Interactions | The xamDiagram control now supports properties for restricting certain user interactions like entering editing mode, resizing and deleting. |
| xamDiagram | Enter Key Behavior | The xamDiagram control now supports configuring of the behavior when the Enter key is pressed in editing mode. |
| xamDiagram | Hiding Toolbox Header | The control now supports an easy way to hide the toolbox’s header using the HeaderVisibility property. |
| xamDiagram | Line Jumps | The control now supports rendering of "line jumps" in case when two connections are intersecting. |
| xamDiagram | New Behavior When Dropping or Copy-Pasting Diagram’s Items. | There is a change in some properties' behavior when an item is dropped from the toolbox or copy-pasted. |
| xamDiagram | IDataErrorInfo Support | The control now supports visualizing of error indicators when the data items are implementing the IDataErrorInfo interface. |
| xamEditors | Spin Wrap Behavior | The xamMaskedEditor and all other editors, which extend from it, are now exposing a new property - SpinWrapBehavior of type SpinWrapBehavior that determines the value spinning behavior of the editor. |
| xamEditors | Japanese Imperial Date Support | The xamDateTimeEditor control now supports Japanese Imperial date format. |
| xamNumericSlider and xamNumericRangeSlider | A new property IsNaNValueSupported | The purpose of this new property is to enable the support for NaN values and to allow further interactions with the slider. |
| xamPropertyGrid | Brush Resources Panel | The xamPropertyGrid control now supports a new configurable Brush Resources panel in the brush editor. |
| xamPropertyGrid | Prevent Editing of Bound Dependency Properties | The xamPropertyGrid control now supports a configurable option to hide the value of bound dependency properties. |
| xamPropertyGrid | Expansion of Custom Editors | The xamPropertyGrid control now exposes a new AllowExpansionWhenUsingCustomEditor property on the PropertyGridPropertyItem class, which allows you to configure the control to expand properties with custom editors defined via PropertyGridEditorDefinition. |

# What’s Changed

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| --- | --- | --- | --- | --- |
| **Work Item ID** | **Components** | **Product Impact** | **Resolved date** | **Description** |
| 236280 | Category Chart | Bug Fix | 5/1/2017 | Setting a transition of type SweepFromCategoryAxisMinimum, TransitionEasingMode EaseInOut and TransitionEasingFunction ElasticEase throws System.ArgumentException. |
| 186130 | Combo Editor | Bug Fix | 4/27/2017 | Incorrect behavior occurs when resizing the popup to the top right corner of the screen and the WPF window is in maximized state. |
| 225864 | Combo Editor | Bug Fix | 3/30/2017 | Resource Washer does not wash XamComboEditor thumb when the Royal Dark theme is applied. |
| 234422 | Combo Editor | Bug Fix | 3/27/2017 | Changing ItemsSource and SelectedItems properties causes ArgumentNullException. |
| 234494 | Combo Editors | Bug Fix | 4/4/2017 | FocusVisualElement is created in the ControlTemplate after the checkbox and the content presenter. |
| 169673 | Context Menu | Bug Fix | 4/6/2017 | XamContextMenu has an ugly black line along its right vertical border as well as black bots in its upper & lower left corners. |
| 235740 | Context Menu | Bug Fix | 4/18/2017 | Nested drop-down controls in the menu force the menu to close when they are opened. |
| 224517 | Data Chart | Bug Fix | 4/5/2017 | The displayed crosshair color cannot be changed at runtime. |
| 233382 | Data Chart | Bug Fix | 5/9/2017 | Legend is not displayed until an additional item is added.  Notes: A scenario where setting bubble series properties in a particular order could result in a blank item legend has been resolved. |
| 235560 | Data Chart | Bug Fix | 4/12/2017 | Setting the axis title to null does not remove the text. |
| 236155 | Data Grid | Bug Fix | 5/3/2017 | When the grid is empty at the start, programmatically adding a calculated field and adding the first record results in the calculations not evaluating. |
| 236481 | Data Grid | Bug Fix | 5/3/2017 | Memory leak exists when clearing and re-populating records when DataPresenterCalculationAdapter is present. |
| 234622 | Data Grid | Bug Fix | 3/31/2017 | Scrolling after loading the filter customizations with calculated columns present shows jumbled text in the grid cells. |
| 234619 | Data Grid | Bug Fix | 3/31/2017 | Filters do not evaluate correctly when loading them as a customization when calculated fields are present and ReevaluateFiltersOnDataChange is set to "False". |
| 235239 | Data Grid | Bug Fix | 4/6/2017 | Selected row blinks for a short time after bound data collection calls Clear method and new data is provided. |
| 234517 | Data Grid | Bug Fix | 4/11/2017 | Fixed field does not move to the Far edge aligning with the other fixed field when there is a hidden field. |
| 230238 | Data Grid | Bug Fix | 4/24/2017 | IndexOutOfRangeException occurs with data continuously updating while GroupByEvaluationMode is set to UseCollectionView. |
| 235909 | Data Grid | Bug Fix | 4/24/2017 | Record containers are still discarded while scrolling a hierarchical grid when RecordContainerRetentionMode is set to "RetainDeactivatedContainersPermanently". |
| 234475 | Data Grid | Bug Fix | 4/25/2017 | IndexOutOfRange exceptions occur when adding and clearing Fields to/from the FieldLayout.Fields collection. |
| 236859 | Data Presenter | Bug Fix | 5/10/2017 | FieldLayouts become available later than they used to. |
| 224189 | Data Presenter | Bug Fix | 4/3/2017 | Many elements are not washed in xamDataGrid with the Royal Dark theme. |
| 234815 | Data Presenter | Bug Fix | 4/3/2017 | The margins between the FieldGroups are too big in the Print Basic theme. |
| 235155 | Data Presenter | Bug Fix | 4/5/2017 | BindingExpression path errors appear in the grid when opening the XamDateTimeEditor drop-down with the Royal Dark theme applied. |
| 234768 | Data Presenter | Bug Fix | 4/10/2017 | CalculationSettings are not merged correctly when loading customizations.  Notes: A new parameter of type CustomizationType (flagged enum) is added in the LoadCustomizations methods of the DataPresenter for excluding particular customizations. The default value is None. |
| 224503 | Data Presenter | Bug Fix | 4/19/2017 | The FieldGroupLabelPresenters are not clearly visible with the Royal theme. |
| 224508 | Data Presenter | Bug Fix | 4/19/2017 | The Menu Button of HeaderPrefixArea is not clearly visible when the Orientation of GridViewSettings is Horizontal with the Onyx theme. |
| 234807 | Diagram | Bug Fix | 3/28/2017 | Hovering and clicking quickly on the toolbox items produces an exception. |
| 235842 | Dialog Window | Bug Fix | 4/19/2017 | When gaining again the focus, the modal xamDialogWindow is overlaid by a nontransparent rectangle when the Office2013 theme is applied. |
| 206677 | Dialog Window | Bug Fix | 4/24/2017 | XamDialogWindow could not be moved after loading. |
| 112010 | Excel | New Functionality | 11/19/2012 | Excel Engine is not DPI aware, causing Workbook.PixelsToCharacterWidth256ths() to yield different values depending on the DPI setting.  Notes: In the Excel library is added a property to Workbook called ScreenDpi so the developer can set the Dpi the Workbook uses for size calculations. If it is not set, Silverlight will use 96 and all other platforms will attempt to determine the Dpi from the system (if permissions allow). |
| 230871 | Excel | Bug Fix | 3/31/2017 | Exception is thrown when Workbook.SetCurrentFormat is used to change the format of a Workbook. |
| 235672 | Excel | Bug Fix | 4/17/2017 | Saved Excel file is corrupted if some worksheet rows are inserted and removed. |
| 235673 | Excel | Bug Fix | 4/17/2017 | InvalidOperationException (Merged cell regions can't overlap) is thrown at MergedCellsRegions.Add() after inserting and removing some worksheet rows. |
| 235738 | Excel | Bug Fix | 4/17/2017 | When a sheet name can be replaced to R1C1 format, NameReference cannot be set. |
| 235739 | Excel | Bug Fix | 4/17/2017 | When a sheet name can be replaced to R1C1 format, PrintArea cannot be set. |
| 234819 | Gantt | Bug Fix | 3/31/2017 | Some resource strings as the task duration - "day" and "days" are not translated. |
| 233149 | Geographic Map | Bug Fix | 4/29/2017 | When the DefaultInteraction property is set to "None," e.Item in the SeriesMouseLeftButtonUp event returns null.  Notes: Mouse capture was interfering with item detection on mouse up. This has been resolved. |
| 226397 | Geographic Map | Bug Fix | 4/7/2017 | Clearing the sub domains on Bing Imagery does not null the sub domains/images. |
| 235562 | Geographic Map | Bug Fix | 5/8/2017 | Resizing the map after setting the WindowRect programmatically zooms into the top-left of the available area.  Notes: This bug was caused by the order of operations issue where zooming was using the previous window rect value instead of the new one. This has been resolved by using the most up-to-date window rect. |
| 229469 | Geographic Map | Improvement | 5/8/2017 | Tile caching clearing is required in order to suppress the memory growth when new tiles are loaded.  Notes: The GeographicMapImagery CacheSize property was added. This property can be used to limit the number of images in the tile cache of the multi-scale image. |
| 236394 | Geographic Map | Bug Fix | 4/28/2017 | Database and shape file numeric parsing is not invariant in the XamGeographicMap, which causes issues in cultures with comma decimal point separators. |
| 166944 | Grid | Bug Fix | 4/28/2017 | The group column disappears when moved. |
| 186270 | Grid | Bug Fix | 4/24/2017 | The columns that are inside a GroupColumn cannot be moved. |
| 232345 | Grid | Bug Fix | 3/23/2017 | Exponentially slowing performance when generating many columns.  Notes: We have added a new public method to the ColumnBaseCollection named AddRange. It improves the performance of adding many columns one after another. The same performance improvement the new method is using is also applied when auto generating columns. |
| 236891 | Grid | Bug Fix | 5/10/2017 | The CellControlAttached event is not fired for the first cell of a row when having Group columns. |
| 236606 | Grid | Bug Fix | 5/10/2017 | Low performance in XamGrid when scrolling horizontally through selected rows. |
| 234970 | Grid | Bug Fix | 4/3/2017 | Filter condition is removed from the UI after grouping is removed and restored. |
| 235569 | Grid | Bug Fix | 4/11/2017 | AugumentOutOfRangeException is thrown when a group row is expanded. |
| 235570 | Grid | Bug Fix | 4/11/2017 | InvalidCastException is thrown when a column is grouped. |
| 235630 | Grid | Bug Fix | 4/13/2017 | FilterMenuSelectionListGeneration setting set to ExcelStyle does not work if FilteringScope is set to "ColumnLayout". |
| 235624 | Grid | Bug Fix | 4/19/2017 | Japanese characters cannot be entered into the filter editor in the FilterMenu popup if a grid is inside a ContentPane. |
| 235627 | Grid | Bug Fix | 4/19/2017 | Japanese characters cannot be entered into the editor in the custom filter dialog if a grid is inside a ContentPane. |
| 235286 | Grid | Bug Fix | 4/21/2017 | The vertical alignment of the header and the cell breaks after a column under a group column is resized. |
| 235970 | Grid | Improvement | 4/21/2017 | The Sort indicator appears even when the column IsSortable property is set to false.  Notes: When a xamGrid column is not sortable, the sorting indicator won't be displayed. This is also valid in case the xamGrid is grouped by not sortable column – the indicator won’t be displayed. |
| 186377 | Grid | Bug Fix | 4/25/2017 | Part of the inner layout grid is not rendered when a cell from the main layout is selected. |
| 186380 | Grid | Bug Fix | 4/25/2017 | XamGrid cell navigation with keyboard breaks after navigating to the inner layout grid cells, which are outside of view initially. |
| 220403 | Grid | Bug Fix | 4/28/2017 | The SelectAll checkbox in the FilterSelectionControl does not update correctly. |
| 236162 | Grid | Bug Fix | 4/27/2017 | StackOverflowException is thrown when items are filtered in the filter menu popup. |
| 228492 | Installers | Bug Fix | 11/8/2016 | NuGet installer cannot be licensed once installed as a trial from Uninstall or Change program. |
| 235823 | Month Calendar | Bug Fix | 4/20/2017 | Today button contains the date with the Office2013 theme. |
| 235972 | OutlookBar | Bug Fix | 4/21/2017 | The mouse cursor becomes hand on the selected group content area when Office 2013 or some other theme is applied.  Notes: Removed the setter that was causing this issue. |
| 216724 | Pivot Grid | Bug Fix | 4/3/2017 | The Slicer items are not populated when using XmlaDataSource. |
| 234901 | Pivot Grid | Bug Fix | 3/31/2017 | ArgumentOutOfRangeException is thrown when the layout file is updated several times and loaded.  Notes: In order to prevent a crash caused by saving a modified grid, when the DeferredLayout feature is enabled, from now on the SaveCustomizations method will cause a refresh of the grid when this feature is turned on. This has the same effect as calling the RefreshGrid method of the data source or pressing the "Update Layout" button on the XamPivotDataSelector. |
| 229990 | Radial Gauge | Bug Fix | 4/14/2017 | XamRadialGauge PixelScalingRatio should not be exposed. |
| 224710 | Ribbon | Bug Fix | 4/20/2017 | The dropdown arrow in the Segmented MenuTool in the XamRibbon is not aligned in the middle when the tool is hovered over in certain themes. |
| 235231 | Slider | Bug Fix | 4/6/2017 | When placing a binding to the TickMarks of the slider, the value of the binding is not respected. |
| 236873 | Theme Manager | Bug Fix | 5/10/2017 | When applying the Metro Dark theme with ThemeManager to the WPF GroupBox with BorderThickness only for the top part, the header is struck through.  Notes: The GroupBox style is updated. |
| 223308 | Themes | Bug Fix | 4/11/2017 | ValueBar is indistinguishable from the background for the control's view in the Royal Dark theme. |
| 223309 | Themes | Bug Fix | 4/11/2017 | TargetValue Needle is indistinguishable from the background for the control's view in the Royal Dark theme. |
| 223312 | Themes | Bug Fix | 4/11/2017 | TargetValue Needle and ValueBar appear hidden, as they are same color as control background in the Metro theme. |
| 223319 | Themes | Bug Fix | 4/11/2017 | TargetValue Needle and ValueBar appear hidden, as they are same color as control background in the Office 2010 theme. |
| 223321 | Themes | Bug Fix | 4/11/2017 | TargetValue Needle and ValueBar appear hidden, as they are same color as control background in the IG theme. |
| 228079 | Timeline | Bug Fix | 3/24/2017 | NumericTimeEntry does not inherit the data context from its parent timeline. |
| 231743 | Timeline | Bug Fix | 4/11/2017 | Data is shown in TimeLine but outside the Zoombar's range.  Notes: An issue was found where the thumb in the timeline's zoom bar was not correctly aligned with the preview content. This has been corrected. |
| 236285 | Timeline | Bug Fix | 5/9/2017 | NullReferenceException is thrown when bound data is removed while the control is within a floating pane.  Notes: An issue was found where a null reference exception would be thrown after a XamTimeline is unloaded. This has been corrected. |
| 236111 | Timeline | Bug Fix | 5/9/2017 | NullReferenceException is thrown when the Series property is set to null.  Notes: An issue was found where a null reference exception would occur in the XamTimeline when setting the Series property to null. This has been corrected. |
| 211937 | X-Platform Data Grid | Bug Fix | 4/3/2017 | [WPF - xGrid] Binding ItemsSource in XAML throws NullReferenceException. |