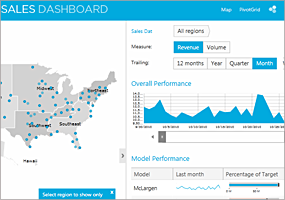
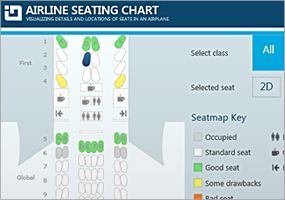
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| C:\Work\NetAdvantage\DEV\XAML\2014.2\Samples\XAML\Showcase.Apps\IGExtensions.Common\Images\apps\IgAppWhite.png | INFRAGISTICS WPF 14.2 –  Service Release Notes – September 2015 |

**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

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| --- | --- |
| Downloading | [Download WPF controls here.](http://www.infragistics.com/products/wpf#Downloads) |

# What’s Changed

|  |  |  |
| --- | --- | --- |
| **Components** | **Product Impact** | **Description** |
| Calculation Manager and Data Grid Integration | Bug Fix | Deleting a formula in Formula Editor targeting Field does not clear the Field cell values. |
| Combo Editor | Bug Fix | InvalidOperationException is thrown when the INotifyDataErrorInfo interface is implemented and the IG theme is applied.  Notes:  Missing XAML elements and visual states added to prevent the exception. |
| Combo Editor |  | Dropdown is displayed in the top left corner when first displayed if INotifyDataErrorInfo is used for validation. |
| Combo Editor | Bug Fix | Poor performance when selecting all the items of a large ItemsSource.  Notes:  Currently selection of a large number of items one by one is still slow. Fortunately we have optimized the case when the SelectedItems collection is recreated with the items that should be selected. This approach provides a very fast method to select multiple items at once.  Example:  private void SelectAll()  {  // very fast method to select all items  this.SelectedItems = new ObservableCollection<object>(this.ItemsSource.Cast<object>());   // slow method to select all items  //foreach (var x in Items)  //{  // x.IsSelected = true;  //}   } |
| Combo Editor | Bug Fix | NullReferenceException is thrown when one editor is focused and another editor is added in separate UserControl. |
| Combo Editor | Bug Fix | InvalidOperationException is thrown on pressing a keyboard key when the control is not focused. |
| Combo Editors | Bug Fix | xamComboEditor popup is aligned to the left when the handedness is set to right-handed. |
| Context Menu | Bug Fix | Sometimes the popup flickers on the right side of the cursor. |
| Control Persistence Framework | Bug Fix | ContextMenu is being persisted regardless of SavePersistenceOptions being set to "OnlySpecified." There is an error in the loading of the context menu after that. |
| Control Persistence Framework | Bug Fix | ArgumentNullException occurs in the output window in debug mode when persisting the xamGrid control and SavePersistenceOptions="AllButIgnored". |
| Data Chart | Bug Fix | Dark Grey Text on Black background appears for Legend when the Metro Dark theme is applied. |
| Data Chart | Bug Fix | Null property changed event args parameters are not respected by the chart. |
| Data Chart | Bug Fix | SeriesMouseLeftButtonUp does not fire when the user clicks on the series. |
| Data Chart | Bug Fix | ArgumentException occurs when using the mouse wheel to scroll up and down. |
| Data Grid | Bug Fix | Custom Filter Selection dialog is opened twice from the filter dropdown. |
| Data Grid | Bug Fix | InvalidOperationException is thrown when resizing XamDataGrid during report printing. |
| Data Grid | Bug Fix | NullReferenceException is thrown when the properties from data source change rapidly. |
| Data Grid | Bug Fix | ArgumentException is thrown when a custom filter (Bottom operator without an operand) is applied and then cleared. |
| Data Grid | Bug Fix | Visible record index is not updated after cell value is changed to fail a filter. |
| Data Grid | Bug Fix | NullReferenceException is thrown when a field with formula has been removed and the control is exported to excel. |
| Data Grid | Bug Fix | Setting CellVisibilityWhenGrouped to Hidden doesn’t hide the Cell, only the label. |
| Data Grid | Bug Fix | Invalid Operation Exception is thrown when expanding/collapsing child records. |
| Data Grid | Bug Fix | Intermittent threading issues appear when using BindingOperations.EnableCollectionSynchronization.  Notes:  In version 4.5 of the .NET framework Microsoft added support for cross thread updating and access of a collection via the BindingOperations' EnableCollectionSynchronization and AccessCollection methods. The DataPresenter family of controls now support this as long as the DataSource property is set to a CollectionView, e.g.:   var list = new ObservableCollection<MyClass>();   var lockingObj = new object();   // Call EnableCollectionSynchronization on the UI thread  BindingOperations.EnableCollectionSynchronization(list, lockingObj);    // Note: that XamDataGrid will only support cross-thread updating if the list is in a CollectionView  XamDataGrid1.DataSource = CollectionViewSource.GetDefaultView(list);   // perform updating of the collection on a background thread using locks  Task.Run(new Action(() =>  {  // lock using the same locking object that was passed into EnableCollectionSynchronization  // above on the UI thread  lock(lockingObj)  {  list.Add(new MyClass());  }  }));    // Alternatively, you can perform updating of the collection on a background thread using AccessCollection, e.g.:  Task.Run(new Action(() =>  {  // Since we will be calling AccessCollection on this thread we need to first call  // EnableCollectionSynchronization with the same locking object. This needs to be done  // on every thread that intends to call BindingOperations.AccessCollection  BindingOperations.EnableCollectionSynchronization(list, lockingObj);   // calling AccessCollection will wrap the action in a synchronization lock  BindingOperations.AccessCollection(list, new Action(() =>  {  list.Add(new MyClass());  }), true);  })); |
| Data Grid | Bug Fix | Memory issue occurs when updating the DataSource from other Tab. |
| Data Grid | Bug Fix | Multiple Selection is disabled when DataSource is changed. |
| Data Grid | Improvement | Record caching is only applied to groupby and summary scenarios.  Notes:  Optimization - Added RetainDeactivatedContainersPermanently value to RecordContainerRetentionMode enum in xamDataGrid. Note: RecordPresenters are still only recycled between records from the same FieldLayout. However, if the application scenario is one where the DataSource is being switched back and forth e.g. from a list of items of Class1 to a list of items of Class2 this setting can be useful as long as the FieldLayouts collection is not cleared before each switch. Also note that this property is ignored unless GridView is used and GridViewSettings.UseNestedPanels is not set to 'True'. |
| Data Grid | Bug Fix | Cells on DateTimeField are marked as error if the TimeSpan data is bound. |
| Data Grid | Bug Fix | Japanese IME behavior is different in two Grids when using excel style filter  Notes:  The RecordFilterTreeControl will focus the associated HWND if the search textbox is given keyboard focus when IME is on. Note, this will cause the associated Window to be deactivated. |
| Data Presenter | Bug Fix | Setting KeyMatchEnforced to True is ignoring the fieldLayout which should be applied. |
| Data Presenter | Bug Fix | Grouping when using CollectionView and changing schema resulted in incorrect grouping. |
| Data Presenter | Bug Fix | External grouping in XamDataGrid using ITypedList with custom descriptors does not work. |
| Data Presenter Excel Exporting | Bug Fix | Border style is not fully applied for a cell from a column header which takes two column spans. |
| Data Presenter Excel Exporting | Bug Fix | Exporting XamDataGrid to excel asynchronously never completes after exporting with a file open. |
| Data Tree | Bug Fix | XamDataTree leaks node objects when the ItemsSource is set to null. |
| Data Tree | Bug Fix | Nodes are misplaced when using checkboxes after collapse and re-expansion. |
| Date Time Editor | Bug Fix | Year isn’t updated correctly when user selects a date from the calendar if the mask doesn’t include year section. |
| Diagram | Bug Fix | OPD Zoom in/zoom out buttons are not synchronized with the zoom level of the diagram. |
| Diagram | Bug Fix | NullReferenceException is thrown in the SelectionChanged event when showing a message box and dragging a node. |
| Diagram | Bug Fix | Corrections in the xamDiagram Toolbox localization |
| Dialog Window | Bug Fix | Cannot open a context menu when IsModal = true. |
| Dialog Window | Bug Fix | Modal dialog prevents other WPF windows from being used. |
| Dock Manager | Bug Fix | ArgumentException is thrown when resizing SplitPane with many panes docked inside it when DocumentContentHost is presented. |
| Dock Manager | Bug Fix | The docking indicators are hidden when attempting to dock if the Window containing the XamDockManager has its Topmost property set to True. |
| Dock Manager | Bug Fix | The number of ContentPane increases after SaveLayout and LoadLayout. |
| Donut Chart | Bug Fix | Memory leak appears in XamDoughnutChart.  Notes:  The way donut chart handles the slices creation causes memory leak when the items source is changed. |
| Donut Chart | Bug Fix | Memory leak detected when DataContext is continuously reset.  Notes: The way donut chart handled the slices creation caused memory leak when the items source had changed. |
| Excel | Bug Fix | Excel framework formula produces #NAME? error when opened in Excel. |
| Excel | Bug Fix | ArgumentException is thrown when loading an XLS file into a workbook. |
| Formula Editor | Bug Fix | Initial value of the property bound to Formula property does not show.  Notes:  As part of this fix is added an IsVisibleInFormulaEditorDialog bool? property to the ControlCalculationSettings class. By default now elements inside templates will not be displayed in the FormulaEditorDialog unless the XamCalculationManager instance has the same TemplatedParent. The new property is exposed so an application can override this default behavior. |
| Grid | Bug Fix | NullPointerException is thrown sometimes when the grid is filtered. |
| Grid | Bug Fix | Columns cannot be moved by drag and drop. |
| Grid | Bug Fix | Only the items of the grid that the user is operating on are displayed as filter items. |
| Grid | Bug Fix | Header caption disappears when a group column's resize indicator is double clicked. |
| Masked Input | Breaking Change (API) | Behavior of the Masked Input control with ValueConstraint of Nullable="False" differs from documentation.  Notes:  There is a new value in the InvalidValueBehavior enumeration – "DisplayErrorMessageAndRevertValue", which is now the default value. While the DisplayErrorMessage retains the value, this one reverts it. |
| Masked Input | Bug Fix | Pasting is allowed when IsReadOnly property is set to True. |
| Masked Input | Bug Fix | A small number is not accepted if the caret is on the right side of the last digit.  Notes: Resolved an issue in the XamMaskedInput and XamNumericInput controls where placing the caret to the right of the rightmost fractional digit and pressing a number key would not result in the number being accepted and displayed when there were 1 or more 'empty' fractional digit locations. |
| Multi Column Combo | Bug Fix | Adding footer to multi column combo editor causes a blue bar to appear when filtering. |
| Multi Column Combo | Bug Fix | No data loaded when all TextComboColumns have Width property set to "\*". |
| Multi Column Combo | Bug Fix | Popup opens in the left top corner of the screen on initial load when IDataErrorInfo is implemented.  Notes:  This issue is caused by a bug in WPF. For more information see the following thread: http://msdn.developer-works.com/article/11398341/WPF+tooltips+and+comboboxes+are+in+top+left+corner |
| Multi Column Combo | Bug Fix | XamMultiColumnComboEditor filter popup has wrong Height. |
| Pivot Grid | Bug Fix | Performance issue occurs when loading 100000 items through FlatDataSource. |
| Pivot Grid | Bug Fix | TargetInvocation exception is thrown when there are DBNull columns.  Notes:  When there is not data for the cube last updated time and last processed time, the adomd data provider failed to load a cube from the database. |
| Pivot Grid | Bug Fix | After loading customizations on a large XmlaDataSource, the wrong number of dimensions is shown.  Notes:  When there are more than 2 stored filters in the predefined file, it was possible to load all filter members at same time. So due to the limit of 2 connection to the server at the same time, we limited the number of requests to 2. |
| Pivot Grid | Bug Fix | After loading customizations of a large XmlaDataSource, the expandable dimensions in the same row as the filtered in dimension do not expand correctly.  Notes:  Fixed issue where in some cases the data source did not expand hierarchy when an advanced filter is applied. |
| Pivot Grid | Bug Fix | After loading customizations on a large XmlaDataSource, the removal of a dimension occasionally does not work correctly.  Notes:  Fixed issue where in some cases the data source did not expand hierarchy when an advanced filter is applied. |
| Pivot Grid | Bug Fix | After loading customizations on a large XmlaDataSource, the removal of a filter is not working correctly.  Notes:  Fixed issue where in some cases the data source did not expand hierarchy when an advanced filter is applied. |
| Pivot Grid | Bug Fix | Slow Pivot Grid performance when loading data from XmlaDataSource. |
| Pivot Grid | Bug Fix | An item in the dataselector can't be dragged when using the Office2010Blue Theme. |
| Property Grid | Bug Fix | Adding items to collection and filtering, and removing the filtering after that hides the items but leaves the object expanded. |
| Property Grid | Bug Fix | Changing the value in the sub-items does not reflect immediately on the display name and the property value. |
| Property Grid | Bug Fix | Description property is not set when using PropertyDescriptor. |
| Property Grid | Bug Fix | Filtering collection out of view and going back with backspace caused the collection to be expanded but the sub items were not shown. |
| Property Grid | Bug Fix | Resetting a list of objects to null results in not clearing visual the collection. |
| Property Grid | Bug Fix | ComboBox does not contain the correct items (values).  Notes:  Resolved an issue in the XamPropertyGrid that occurred when a property on the SelectedObject had a TypeConverter that returned a list of StandardValues. In this case, if the SelectedObject had another property of the same Type as the first property, and that property also had a TypeConverter which returned StandardValues, the second property would show the SAME StandardValues as the first property in editor's dropdown. |
| Property Grid | Breaking Change (API) | XamPropertyGrid is not recognizing properties whose value represents an expandable object and when the property implements TypeConverter.GetPropertiesSupported.  Notes:  Resolved an issue in the XamPropertyGrid where the control was not recognizing properties supplied via TypeConverter.GetProperties(). As part of this fix there are 2 breaking changes that you will encounter:   1. If you have implemented a custom property generator (derived from PropertyGeneratorBase or one of the 2 built-in property generators) an additional parameter has been added to the abstract GenerateProperties method that supplies the property item for which child properties are being generated. This parameter will be null if properties are being generated for the root object. Simply re-compiling your custom property generator is all that is required to deal with this breaking change.  2. A parameter called 'isTypeConverterCustomProperty' has been added to the constructor of PropertyGridPropertyItem. This parameter should be set to true if the property item was created from a PropertyDescriptor supplied by TypeConverter.GetProperties(), otherwise it should be set to false. If your application is creating PropertyGridPropertyItems (most likely in a custom property generator) then you will need to modify your code to provide a value for this new parameter. |
| Reporting | New Functionality | It is not possible to set the print job description when printing a report silently.  Notes:  Added a property to the ReportSettings class called PrintJobDescription. Setting this property before printing a report will change the description used in the print queue dialog.  Ex:  Report reportObj = new Report(); reportObj.ReportSettings.PrintJobDescription = "My Printed Report"; |
| Reporting | Bug Fix | The page is not properly displayed when it has landscape orientation. |
| Reporting | Bug Fix | Exporting a report to XPS does not use the PageMediaSize setting. |
| Ribbon | Bug Fix | NullReferenceException occurs when starting the application on screens with 1366x768 or less resolution. |
| Ribbon | Bug Fix | XamRibbonWindow has a strange border when maximized on Win8 and above |
| Ribbon | Bug Fix | Error message appears when the QuickAccessToolbarLocation property is set to BelowRibbon and the Theme property is set. |
| Ribbon | Bug Fix | Close, minimize and maximized buttons and title are not shown when the Office2013 theme is used and IsOpen property of ApplicationMenu2010 is set to true. |
| Ribbon | Bug Fix | TextEditorTool loses value after opening a collapsed version. |
| Rich Text Editor | Bug Fix | The GetPositionFromPoint method returns null when the SnapToText is set to true and the point is 0 or not within the control's boundaries. |
| Rich Text Editor | Bug Fix | The GetPositionFromPoint method returns null when the editor is zoomed in few times. |
| Rich Text Editor | Bug Fix | The GetPositionFromPoint method returns null in a paragraph with a drop cap. |
| Rich Text Editor | Bug Fix | The GetPositionFromPoint method returns null for text in the table cells. |
| Rich Text Editor | Bug Fix | The opening of an empty document is throwing an exception.  Notes:  Resolved an issue in RichTextDocument which resulted in an exception being thrown when opening a document with zero length contents. Now no exception is thrown and an empty document is returned. |
| Rich Text Editor | Bug Fix | Pasted HTML with empty row adds a large empty row in the rich text editor.  Notes: Fixed bug in Html serializer that was adding extra before and after paragraph spacing when de-serializing table cells with no content. |
| Rich Text Editor | Bug Fix | The caret does not change its style when typing some content with styles (like Italic, Subscript and etc.).  Notes: Resolved an issue in the XamRichTextEditor where the Caret was not being rendered at a slight 'forward' angle when it was at a character position formatted as italic. |
| Rich Text Editor | Bug Fix | Deselecting the paragraph mark via the mouse is deselecting also the last character. |
| Schedule | Bug Fix | Reminders do not open when AppointmentItemsSource is set after the schedule initialization is complete.  Notes:  Resolved an issue in XamSchedule where the reminder dialog was not displaying for Appointments that were created in code and added to the associated DataConnector's AppointmentItemsSource if the DataConnector's AppointmentItemsSource property was set AFTER the XamScheduleDataManager was loaded/initialized and IMMEDIATELY BEFORE the Appointment was added to the AppointmentItemsSource. |
| Schedule | Bug Fix | Empty Item appears in dropdown in RecurrenceDialog. |
| Schedule | Bug Fix | Confusing message appears for yearly recurrence. |
| Schedule Outlook Calendar View | Bug Fix | DateNavigator is not synchronized with XamOutlookCalendarView. |
| Slider | Bug Fix | Thumbs cannot be moved when the thumb values are equal and InteractionMode is Lock. |
| Spread Sheet | Bug Fix | Typo in the methods for deleting in the WorsheetTable. |
| Spread Sheet | Bug Fix | The Workbook property of the xamSpreadsheet cannot be bound in a DataTemplate. |
| Spread Sheet | Bug Fix | Changing the zoom level of the Spreadsheet when the headers are hidden is throwing an exception. |
| Syntax Editor | Improvement | The squiggly for an added diagnostic is not shown when the length of the TextSpan is greater than the length of the line.  Notes: Added support for multi-line syntax error adornments in the XamSyntaxEditor. Also resolved an issue in the XamSyntaxEditor when modifying text to correct an existing syntax error that sometimes resulted in a flicker, with the error squiggly disappearing upon typing but reappearing briefly before disappearing for good. |
| Syntax Editor | Bug Fix | Binding expression error: "'TextOptions' property not found" on startup.  Notes:  Resolved an issue in the WPF version of the XamSyntaxEditor which resulted in a BindingExpression error for the 'TextOptions' property appearing in the Visual Studio output window. The error no longer appears. |
| Tile Manager | Bug Fix | UseLayoutRounding is not applied to all tiles when they are in a normal mode. |
| Tile Manager | Bug Fix | The Tile does not stick to the mouse pointer while dragging. |
| Tile Manager | Bug Fix | Maximize, minimize and close buttons do not work after clearing and re-adding the tiles to the Tile Manager. |
| Zoom bar | Bug Fix | Setting the HorizontalScaleLeft and Right Style properties have no effect. |