

# Windows Forms New Features (last 3 years)

## 2014 Vol.1

- **New Control** - [WinPivotGrid](#): The WinPivotGrid control serves as an analytical tool for summarizing multidimensional (OLAP) data, typically for business applications.
- Common Features
  - [Right-to-Left Support](#): This feature introduces Right-to-Left mode in the Infragistics editor controls' displayed text and UI elements.
  - [Spin button acceleration](#): Spin button provides capability to increase or decrease the value displayed in the editor.
- WinTab, WinTabStrip
  - [Adding a New Tab button](#): This feature allows developers to add a New Tab button, thereby making it convenient for users to add new tabs from the UI.
- WinToolbarsManager
  - [Configurable tab item visibility](#): This feature allows configuring the Ribbon tab items visibility.
  - [Prioritized tools' visibility](#): This feature allows the developer to configure the level of importance of frequently used tools. It provides the user the convenience of prioritizing and displaying more frequently used tools.
- WinCombo, WinComboEditor
  - [Ignoring diacritics on Autocomplete](#): This feature is implemented in both WinCombo and WinComboEditor controls allowing to perform search for an exact word ignoring diacritics.
- WinGrid
  - [Disabling delete row confirmation](#): You can now disable the confirmation dialog when the user attempts to delete a row.
  - [Configurable initial sort direction](#): This feature provides the user with an option to apply a predefined sort order upon first user interaction.
- WinSpellChecker
  - [Configurable spellchecker underline](#): This feature allows adjusting the vertical offset of the underline that spellchecker scribes beneath misspelled words.
- WinTilePanel
  - [Touch-enabled WinTilePanel](#): Implemented touch support and gestures to WinTilePanel control.
- WinTree
  - [Node Editor Designer dialog](#): The tree Node Designer dialog has been revamped giving the developers the convenience in creating and modifying tree nodes at design time.

## 2014 Vol.2

- **New Control** - [WinCarousel](#): The WinCarousel is a navigation control that displays a list of items in form of rectangular tiles along a predefined path. Each item may present a text or an image.
- **New Control** - [UltraDataChart](#): The UltraDataChart is a data visualization control, modeled from the Infragistics WPF XamDataChart control.
- WinPivotGrid
  - [FlatDataSource](#): This feature introduces FlatDataSource type object for the WinPivotGrid control in addition to XMLA and ADOMD data providers.
  - [Compact / SuperCompact Views](#): This feature allows to configure the row header layout with available options such as: Compact and SuperCompact, and Standard views.
  - [Default Theme](#): This feature illustrates the new default appearance (Theme) of the WinPivotGrid control.
- WinGrid
  - [Right-to-Left Support](#): This feature introduces Right-to-Left mode in the Infragistics controls' displayed text and UI elements.

## 2015 Vol.1

- Common
  - [Animated Gif Support](#): In addition to the pre-existing static image support, our Presentation Layer Framework (PLF) now has the ability to display animated images throughout our components.
  - [New ISL Files](#): In the 2015 Volume 1 release we added many new ISL files.
- Word Engine
  - [Bullet and Numbering](#): You can now add bullet lists and automatic numbering using the Infragistics WordDocumentWriter class in the 2015 Volume 1 release.
- WinDockManager
  - [Close Buttons on Tabs](#): In previous versions, the close buttons for tabs were only available in the caption area of a pane. However in the 2015 Volume 1 release, the close button can also appear on the tab itself for any tabbed dock area.
- PrintDialog Button Tool
  - [PrintDialog Button](#): This feature allows the users to optionally display a PrintDialog button tool to choose a printer or change other printer settings.
- WinGridColumnChooser
  - [Multi Select](#): In the 2015 Volume 1 release a new feature which allows you to enable multiple row selection is added in the WinGrid™ ColumnChooser.

## 2015 Vol.2

- UltraDataChart
  - [Axis Intervals \(Major/Minor Gridlines\)](#)
  - [Annotation Layer](#)
  - [Bubble Series](#)
  - [Polar Series](#)
  - [Radial Series](#)
  - [Stacked Series](#)
  - [Category Angle Axis](#)
  - [Numeric Angle Axis](#)
  - [Numeric Radius Axis](#)
  - [Category Tooltip Layer](#)
  - [Item Tooltip Layer](#)
  - [Category Highlight Layer](#)
  - [Category Item Highlight Layer](#)
  - [Crosshair Layer](#)
  - [SaveTo \(ImageType\)](#)
  - [Scale Legend](#)
  - [Touch Gestures](#)
  - [Value Overlay](#)
- UltraFormattedTextEditor and UltraFormattedLinkLabel
  - [Subscript and Superscript formatting](#)
- UltraMessageBoxInfo
  - [StartPosition and StartLocation properties](#)
- UltraGrid
  - [MinSummaryRowHeight and DefaultSummaryRowHeight properties](#)
- UltraToolbarsManager
  - [Notification Badges](#)
- UltraPivotGrid
  - [FlatDataSource DataAdapter classes](#)

- **2016 Vol.1**

- **New Control** - [UltraSpreadsheet](#): The UltraSpreadsheet™ control allows visualizing and editing of spreadsheet data, represented by the data model supported by the Infragistics Excel Engine. The following screenshot shows the UltraSpreadsheet™ control displaying some spreadsheet data:
- **New Control** - [UltraPieChart](#): The UltraPieChart™ is a specialized control that renders a pie chart, consisting of a circular area divided into sections. Each section has arc length proportional to its underlying data value.
- **New Control** - [UltraDoughnutChart](#): The UltraDoughnutChart™ control is similar to the UltraPieChart™ – proportionally illustrating the occurrences of a variable or multiple variables in concentric rings. The following screenshot shows the UltraDoughnutChart control displaying some data:
- **New Control** - [UltraRadialGauge](#): The UltraRadialGauge™ control is a data visualization tool capable of displaying a gauge containing a number of visual elements, such as a scale with tick marks and labels, a needle, and a number of ranges. Create a scale by supplying MinimumValue and MaximumValue values and point the needle to a value by setting the Value property. The gauge also supports ranges providing visual cues for the scale, for more information see the Configuring Ranges topic
- **New Control** - [UltraCode128Barcode](#), [UltraQRCodeBarcode](#): Industries have created standards around barcode technology such as creating barcodes that provide capabilities unique to their industries. The vision for the Barcode™ control is to provide you with a control that is capable of rendering on screen barcode images that conform to the various widely adopted barcodes standards; this control abstracts much of the process and detail of barcode creation from you, allowing you to easily embed data in barcode format into your applications. The Barcode™ control provides support for the following barcode symbology:
- UltraGrid
  - [Collapse Column Groups](#): The UltraGridGroups collection supports ExpansionIndicators, allowing the user to hide all columns assigned to them. This improves the readability of your grid by allowing users to quickly prioritize information most relevant to them.
  - [AutoEditMode](#): The AutoEditMode property is used to specify whether typing a displayable character will automatically enter edit mode on the active cell and process that character as though the cell had already been in edit mode. This allows the user to select or activate a cell (which is not in edit mode) and begin typing immediately to edit the contents of the cells, instead of having to explicitly enter edit mode via a separate keyboard action (like pressing F2).
  - [ChildBand Rows Collapse\Expand](#): The UltraGrid supports BandExpansionIndicators at the header of each child band, allowing for collapse/expand functionality on each child band. This improves ease of navigation between sibling bands with large data sets and reduces information clutter on the UI.
- UltraTabControl & UltraTabStripControl
  - [Right-to-Left Support](#): The Right-to-Left mode in the UltraTabControl & UltraTabStripControl applies to the tabs and their corresponding position at the top of the control.

- **2016 Vol.2**

- **New Control** - [WinOfficeNavBar](#): The WinOfficeNavBar™ provides a simplistic way to navigate between views, while offering a means to quickly access a minimalistic subset of a view within a popup window called the peek window.
- **New Control** - [WinColorPalette](#): The WinColorPalette is the centerpiece of our new color selection experience. It provides various parts which allow the user to be very specific in their color through a simple, user friendly process. The developer can choose which parts to show on the application, giving you full control over the experience.
- **New Control** - [WinPaletteInfo](#): A form may have many ColorPalettes, either in standalone control (WinColorPalette) or dropdown (WinColorPicker) form. We've enabled the ability to synchronize settings by creating the WinPaletteInfo class to hold the settings of a ColorPalette.
- **New Control** - [WinZoomPanel](#): The WinZoomPanel™ is a control container which allows the user to zoom into its contents and then to scroll through the zoomed contents. This makes your UI more accessible by letting the user determine the preferred size of your controls for optimal interaction. Whether you want one zoomable UltraGrid or an entire zoomable UI, the WinZoomPanel opens the door to greater user accessibility.
- WinColorPicker
  - [New ColorPalette support](#): We've also made the WinColorPalette available in dropdown form by adding the WinColorPicker.Style property.

## • 2017 Vol.1

- **New Control** - [WinRadioButton](#): The [WinRadioButton](#) is a checkable button linked to other WinRadioButton's in a group. Its defining characteristic is that only 1 WinRadioButton within a group may be checked at one time, so when a WinRadioButton is selected, all others within the group become unchecked. This is useful in scenarios where a choice must be made between mutually exclusive options.
- **New Control** - [UltraGeographicMap](#): The [UltraGeographicMap](#) control allows you to display data that contains geographic locations or geospatial data loaded from shape files on geographic imagery maps.
- **New Control** - [UltraPeekPopup](#): Similar to the [OfficeNavBar Peek Window](#), WinPeekPopup™ can display any Windows Forms Control in a stylized popup window. The new UltraPeekPopup is a standalone component that can be used independently from other controls.
- **New Control** - [Notification Badges](#): Notification Badges allow you to notify your users about important events that require their attention. This feature, previously exclusive to UltraToolbarsManager, now is supported in the following controls:
  - [WinTree](#)
  - [WinTab and WinTabStrip](#)
  - [WinStatusBar](#)
  - [WinListView](#)
  - [WinExplorerBar](#)
- WinGrid
  - [ColPosChanged event improvement](#): We've improved the four ColPosChanged events to better accommodate column fixing. This improvement applies to the following events:
    - [BeforeColPosChanged](#)
    - [AfterColPosChanged](#)
    - [BeforeGroupPosChanged](#)
    - [AfterGroupPosChanged](#)
  - [Editable Headers](#): Enabling the Editable Headers feature allows users to modify column, group, and band headers on the UltraGrid. When enabled, users can edit a header by double clicking it or by taking any other action specified by the developer.
- WinEditors
  - [Imperial Japanese Era Support in WinMaskedEdit/WinDateTimeEditor](#): The [WinMaskedEdit](#) and [WinDateTimeEditor](#) now have the ability to show the era of a DateTime by using the g or gg option in the InputMask. The era will be shown in accordance to the culture of the control, including modern Imperial Japanese eras.
  - [WinEditorMaskedControlBase Spin Wrapping](#): The [WinDateTimeEditor](#), [WinCurrencyEditor](#), [WinMaskedEdit](#), and [WinNumericEditor](#) each already had the ability to increment the current value when the user gives a certain input. Added in 17.1 is the ability for the developer to set the editor's behavior when a numeric section is incremented past its maximum range through the SpinWrapBehavior property.
- WinDataChart
  - [Design Changes](#): In the Infragistics 2017 volume 1 release, we redesigned the defaults of the UltraDataChart, UltraPieChart, UltraDoughnutChart, and UltraRadialGauge controls.