# Ultimate UI for Windows Forms
Volume Release Notes 2017.1

INFRAGISTICS

Raise the bar with Ultimate UI for Windows Forms

Infragistics Windows Forms controls provide complete usability and extreme functionality to your next desktop application. Ensure app adoption when you create the experiences your customers already know, with Microsoft inspired features that mimic Word, Excel, and Outlook
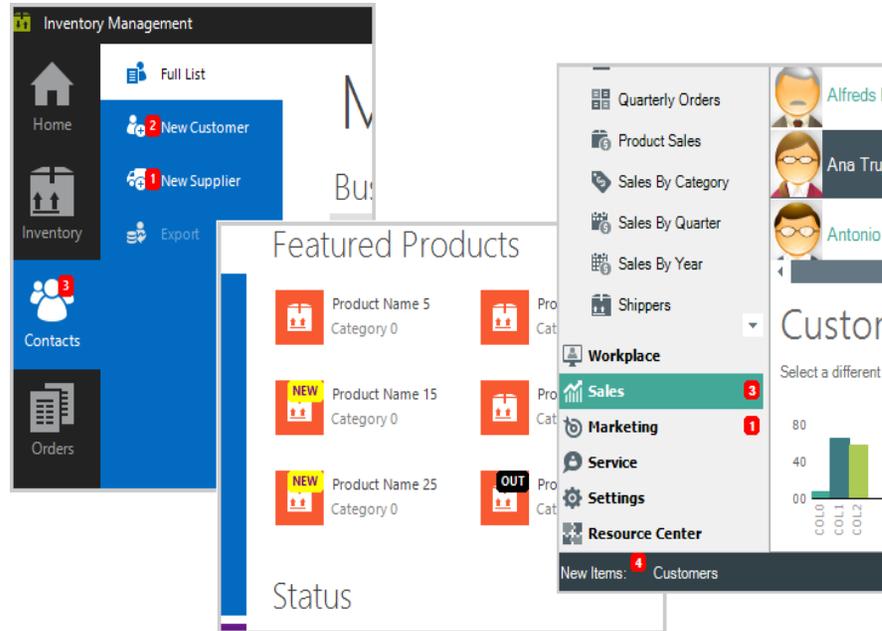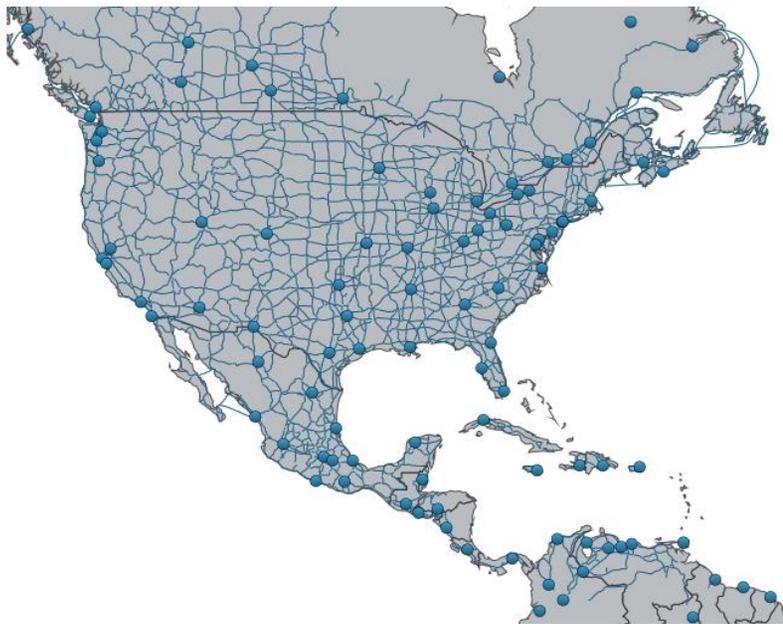
Installation

Downloading	Download Infragistics Controls for WinForms here

What's New

ColPosChanged event improvement

We have improved the four ColPosChanged events to better accommodate column fixing. This improvement applies to the following events:

- BeforeColPosChanged
- AfterColPosChanged
- BeforeGroupPosChanged
- AfterGroupPosChanged

Previously, the PosChanged argument described the type of position change that occurred, but there was not an enum to denote that column positions were changed due to a fixing action. Instead, the PosChanged value would be Moved, causing ambiguity between fixing and moving actions.

ColumnPosChangedType is the new argument replacing PosChanged. It includes a FixedStateChanged flagged enum option to distinguish between fixing and moving actions.

Note that PosChanged has been obsoleted, not removed, so that existing apps depending on this argument can continue working as designed. As such, this is not a breaking change.

Related Topics:

- Specifying Fixed Columns — ColPosChanged Events

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.

By default, the culture will default to the machine's culture, so the `WinDateTimeEditor` and `WinMaskedEdit` will work out of the box when running on any machine by conforming to its culture setting. The control's culture can also be manually specified by the `CultureInfo` property for `WinMaskedEdit` or `FormatProvider` property for `WinDateTimeEditor`.

Related Topics:

- InputMask Property (UltraMaskedEdit)

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. The options now available are:

- `Default` — By default, the control will follow the `WrapAcrossSections` behavior.
- `NoWrapping` — The value will stop incrementing/decrementing at the max/min.
- `WrapAcrossSections` — The value will go to the min/max and increment/decrement the next high section.

For example, if a month set at 12 is incremented, the month will go to 1 and the year will be incremented by 1.

- `WrapCurrentSection` — The value will go to the min/max and no other sections will be affected.

   For example, if a month set at 12 is incremented, the month will go to 1 and the year will remain the same.

`SpinWrapBehavior` obsoletes its predecessor, the `SpinWrap` property. In order to reduce breaking existing applications, SpinWrap has been obsoleted rather than replaced. Therefore it will not be shown through IntelliSense, since SpinWrapBehavior is the preferred implementation, but it is still valid to set for the sake of legacy code.

The default behavior of all affected controls has been changed from `NoWrapping` to `WrapAcrossSections`, so any editors which did not have SpinWrap explicitly set will see that change in default behavior. This is a breaking change and is documented in Breaking Changes in 2017 Volume 1

Related Topics:

- WinEditorMaskedControlBase Spin

WinRadioButton

The WinRadioButton is a checkable button linked to other WinRadioButton's in a group. Its defining characteristic is that only one 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.
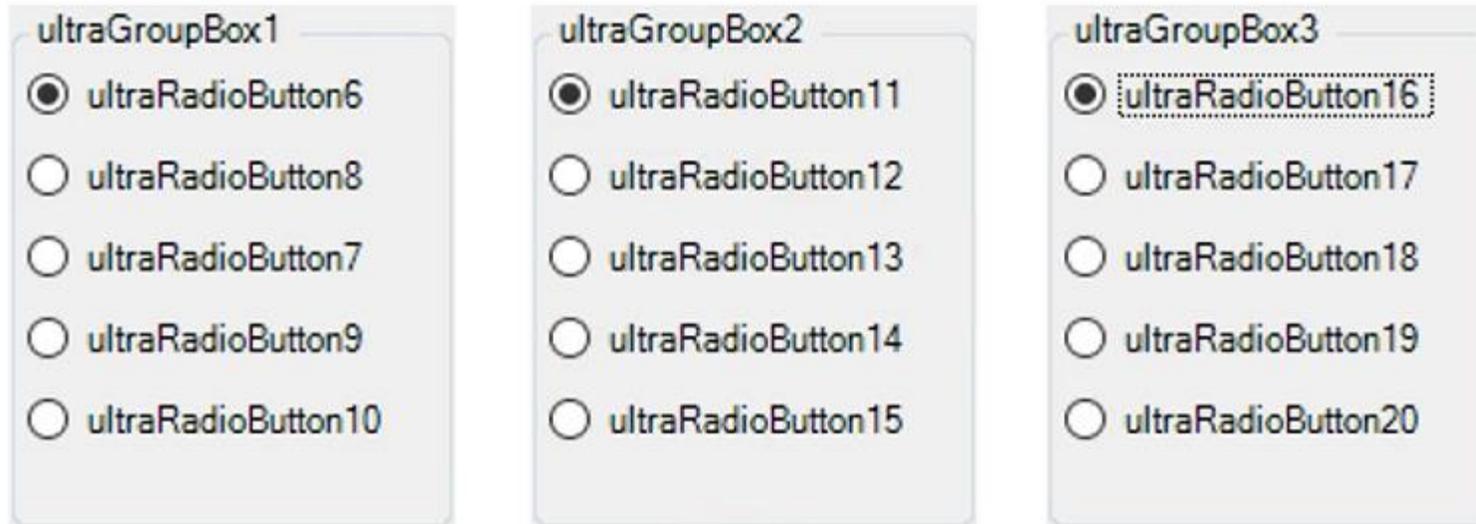
WinRadioButtons automatically group with other WinRadioButtons within the same control container by default, or they can be grouped manually by using a WinRadioButtonGroupManger component, allowing for a custom schema and uniform `Appearance` settings. Finally, the WinRadioButton can be used within the `WinGrid` to allow users to make an exclusive selection of a grid row.

Related Topics:

- About WinRadioButton
- Using WinRadioButton within WinGrid

UltraGeographicMap

The UltraGeographicMap control allows you to display data that contains geographic locations or geospatial data loaded from shape files on geographic imagery maps.

Figure 1: UltraGeographicMap with geographic imagery from Open Street Maps.

Figure 2: UltraGeographicMap with geographic imagery from Bing™ Maps.

Figure 3: UltraGeographicMap with multiple geographic series.

Related Topics:

- UltraGeographicMap

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.

Related Topics:

- WinPeekPopup

- About WinPeekPopup

- Using A WinPeekPopup

UltraPeekPopup

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

Related Topics:

- WinTree Using the Notification Badge

- WinToolbarsManager Using the Notification Badge

- WinListView Using the Notification Badge

- WinStatusBar Using the Notification Badge

- WinExplorerBar Using the Notification Badge

- WinTab Using the Notification Badge

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.

Related Topics:

- [Editable Headers in WinGrid](#)

UltraDataChart Default Palette Changes

Column Chart
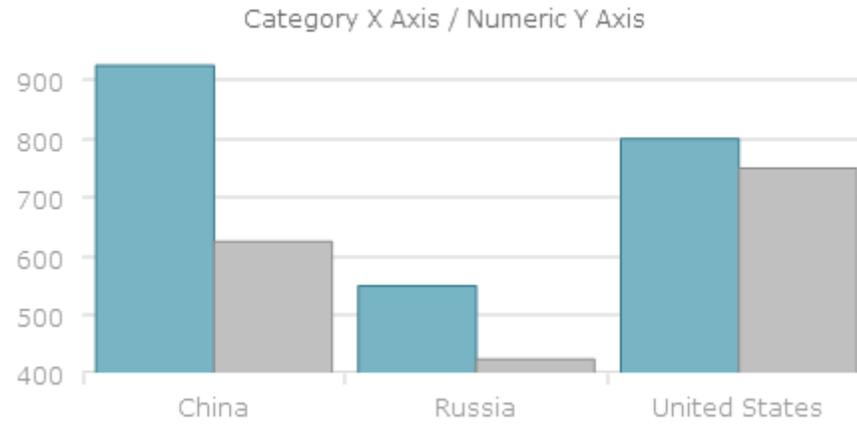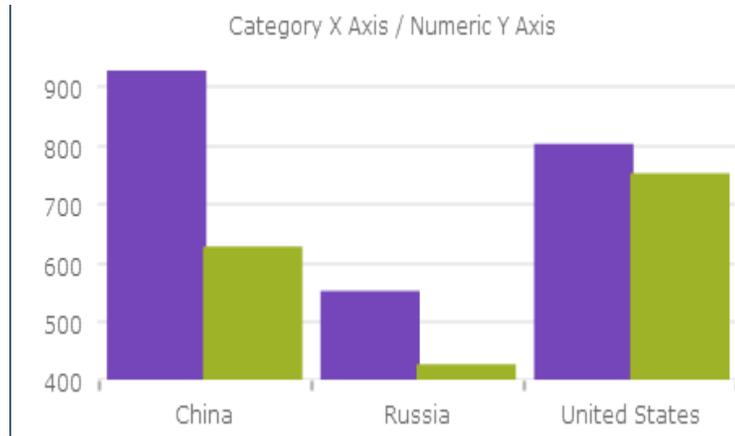
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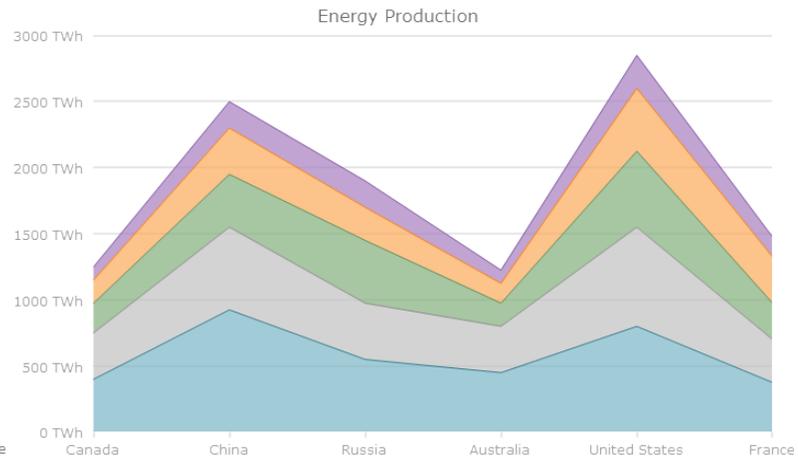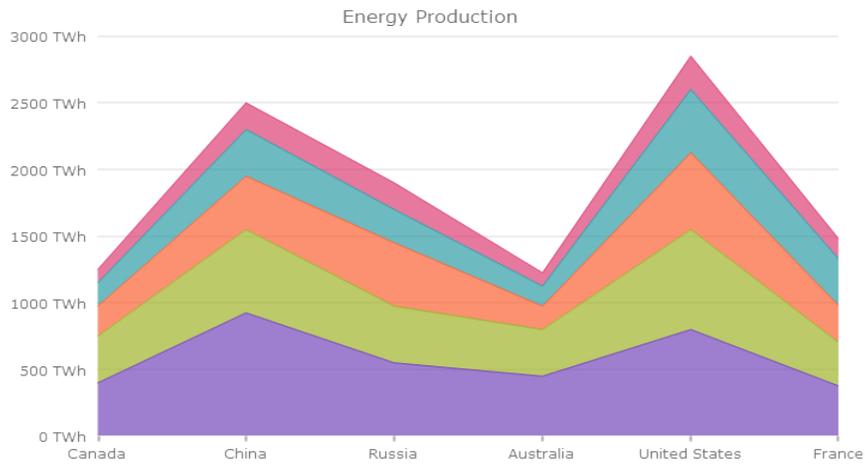
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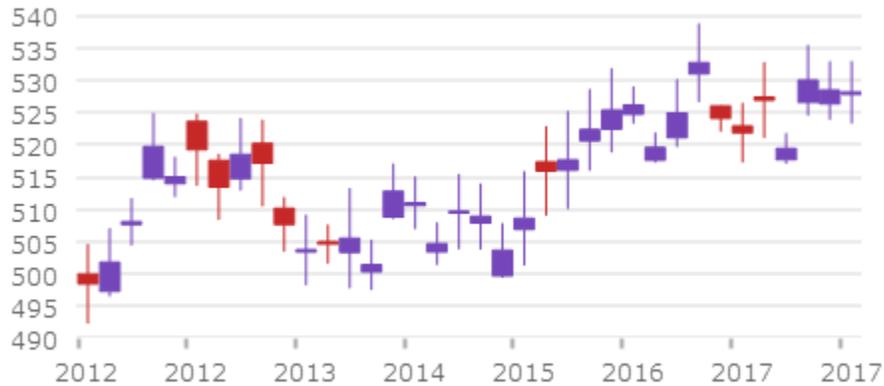
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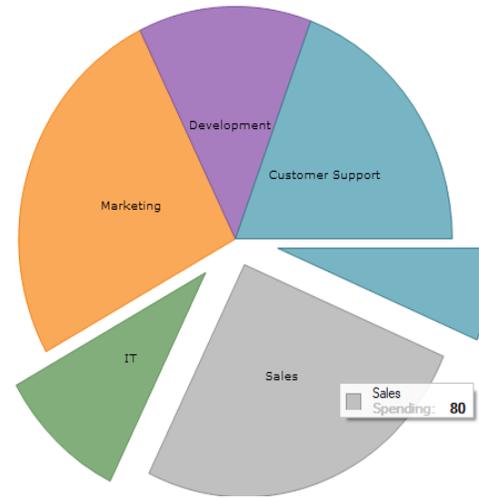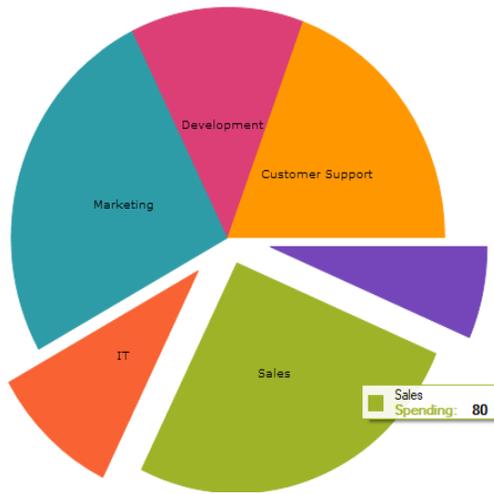
Radial Gauge
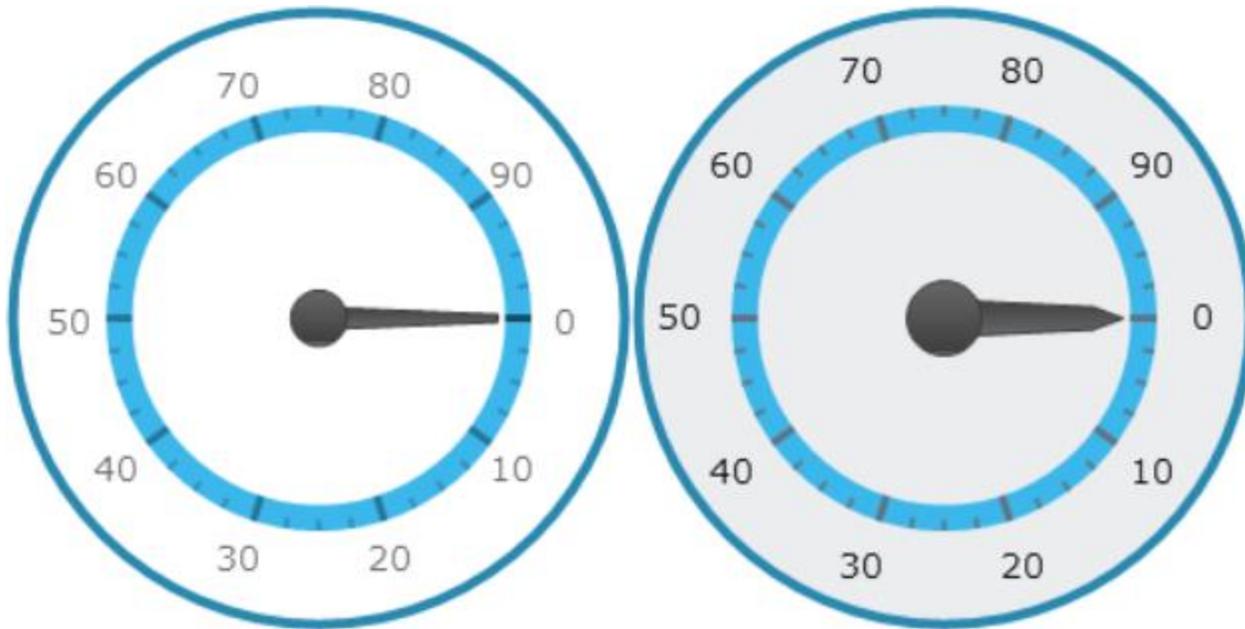
What's Changed

ID	Resolved Date	Component	Product Impact	Description	Language
168416	4/6/2017	WinTabControl	Improvement	The button for new tabs is hidden when all tabs are closed	EN

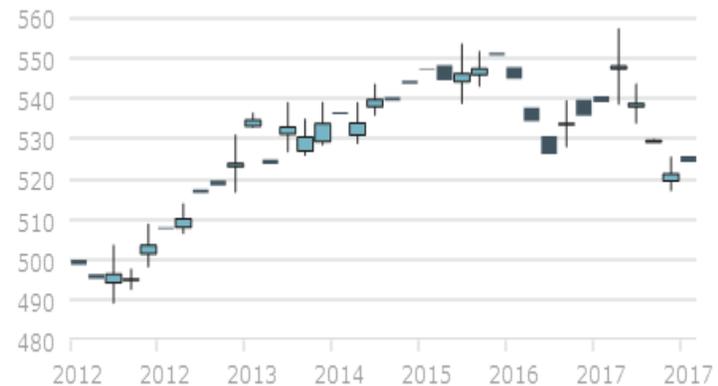| 190901	11/22/2016	WinGrid	Bug Fix	Black line is drawn out of the control while resizing the column on system with dots per inch resolution value above 125 percent	EN
192204	3/9/2017	WinTabControl	Bug Fix	A property is not consistent when scrolling through tabs with style applied	EN
194667	11/22/2016	WinGrid	Bug Fix	The vertical adjustment lines do not get erased when column is resized	EN
203186	2/7/2017	WinToolbarsManager	Bug Fix	Tool's caption padding does not align when one tool has longer caption	EN
205089	4/28/2017	WinDataChart	New Functionality	A specific property is not implemented	EN
205103	4/26/2017	WinDataChart	Bug Fix	Clearing the axes after the series leaves the axes still being drawn	EN
205801	4/27/2017	WinDataChart	Bug Fix	Series' default tooltip property for an item in the center is blank	EN
208880	11/17/2016	WinGrid	Bug Fix	Custom filter dialog's button is truncated	JP
210731	3/13/2017	WinDataChart	Bug Fix	Series' Labels are rendered in the wrong location after resizing	EN
211355	9/16/2016	WinGrid	Bug Fix	Conditional formatting dialog's labels do not appear in Japanese	JP
211426	9/16/2016	WinGrid	Bug Fix	Conditional formatting dialog contents disappear when using certain keyboard keys	EN
211655	11/19/2016	WinTree	Bug Fix	Expansion indicator does not scale when changing dots per inch resolution value	EN
212149	3/21/2017	WinComboEditor	Bug Fix	Editors input boxes' style changes when toggling enable or disable button	EN
215357	3/13/2017	WinDataChart	Bug Fix	Labels are not synchronized with the axis line when changing the crossing value	EN
215744	4/12/2017	WinDataChart	Bug Fix	The zoom (pinch) gestures are inversed when the control is displayed on a monitor to the left of the primary monitor	EN
215859	3/13/2017	UltraRadialGauge	Bug Fix	Setting three as value truncates the middle value label	EN
218388	10/22/2016	UltraSpreadsheet	Bug Fix	Control's performance is low when the work book uses a font not installed on the system	EN
218572	10/20/2016	WinGrid	Bug Fix	No way to apply custom images through the conditional formatting dialog	EN
219564	3/16/2017	WinGanttView	Bug Fix	Setting custom property values takes a long time	EN
220206	4/11/2017	WinDataChart	Bug Fix	Setting property causes all lines to adopt dash array	EN

221239	10/4/2016	WinCarousel	Bug Fix	Application exception is thrown on loading invalid xml and dat files in the designer	EN
221240	10/4/2016	WinCarousel	Bug Fix	Unauthorized access exception is thrown when trying to save read only configuration files in the designer	EN
221434	3/10/2017	WinToolbarsManager	Bug Fix	Object disposed exception is thrown when popup shows up	EN
221469	3/10/2017	WinToolbarsManager	Bug Fix	Null reference exception is thrown when hiding all tabs	EN
221755	3/11/2017	WinCarousel	Bug Fix	Overflow exception is thrown in the designer when setting large thickness	EN
221757	3/11/2017	WinCarousel	Bug Fix	Out of memory exception is thrown in the designer when setting a high number of item slots	EN
221797	4/10/2017	WinCarousel	Bug Fix	Some controls in the designer do not autoscale correctly	EN
221949	9/30/2016	WinComboEditor	Bug Fix	Automatic complete displays suggestion list before confirming text	JP
222759	10/20/2016	WinGrid	Bug Fix	Performance issues when the filter row is disabled	EN
223953	12/9/2016	WinToolbarsManager	Bug Fix	There is issue with resizing the form when specific property is set	EN
223969	2/13/2017	WinToolbarsManager	Bug Fix	Tool should be sized to fit the remaining size of the form	EN
224114	10/11/2016	WinGrid	Bug Fix	Control's appearance is not saved in the layout file	EN
224204	10/20/2016	WinGrid	Bug Fix	The active row is set even when the synchronization with the currency manager is disabled	EN
224241	10/20/2016	UltraSpreadsheet	Bug Fix	New line in cells is not retained after being saved and reloaded in the speadsheet and entering into edit mode	JP
224652	12/12/2016	WinGrid	Bug Fix	Control does not scroll properly when modifying data	EN
224713	11/18/2016	WinTrackBar	Bug Fix	Null reference exception is thrown when specific property is set	EN
224831	11/10/2016	WinGrid	Bug Fix	Within the control's code, the enumerator in for each loop should be place into for loop	EN
224970	10/20/2016	WinExcelExporter	Bug Fix	The control cannot be exported to Excel with custom format string	EN
225037	11/19/2016	WinToolbarsManager	Bug Fix	Ribbon flickers when changing windows dots per inch resolution value	EN
225057	1/4/2017	WinToolbarsManager	Bug Fix	Shortcut key is not underlined on button when pressing ALT key	EN
225359	1/4/2017	WinGrid	Bug Fix	When the control is exported to Excel, it throws a null reference exception	EN

226760	11/14/2016	WinGanttView	Bug Fix	Updating the control with a bound data source throws null reference exception	EN
227021	3/30/2017	WinDayView	Bug Fix	Mouse wheel does not work properly in the control	EN
227193	2/24/2017	WinRadialGauge	Bug Fix	Label on Radial Gauge misaligns after resize	EN
227354	10/20/2016	WinToolbarsManager	Bug Fix	Quick Access Toolbar's more tools button disappears when form's size gets decreased	EN
227446	10/21/2016	WinGrid	Bug Fix	A specific object does not inherit from expected class	EN
227464	10/19/2016	WinToolbarsManager	Bug Fix	Memory release issue with the control when specific property is set	EN
227503	3/20/2017	WinLIstView	Bug Fix	When height of the control is less than fourty pixels it cannot scroll with mouse whenel neither with scrollbar buttons	EN
227699	11/30/2016	WinTimelineView	Bug Fix	Event handler is not raised when appointment has specific settings set	JP
227734	11/1/2016	WinToolbarsManager	Bug Fix	Merged ribbon group is not rendered properly when undocking then redocking multi document interface layout form	EN
227781	11/7/2016	WinEditors	Bug Fix	Extra character is added to dropdown when typing in Korean	EN
228193	11/7/2016	WinGrid	Bug Fix	The application throws object disposed exception when the data soure is set to null	EN
228337	11/17/2016	WinToolbarsManager	Bug Fix	Application crashes when maximizing form	EN
228461	11/9/2016	WinComboEditor	Bug Fix	List items not properly resized after font size is being changed	EN
228753	11/14/2016	WinGrid	Bug Fix	Key is not present in the dictionary error when exporting the control to Excel	EN
228847	11/22/2016	WinToolbarsManager	Bug Fix	File menu button is not resized to content when its caption's font is larger	EN
228877	12/19/2016	WinExplorerBar	Bug Fix	Infinite loop is triggered	EN
228971	3/20/2017	WinColorPalette	Bug Fix	Mouse pointer disappears in control's conditional formatting window after using the color grabber	EN
229207	12/21/2016	WinStatusBar	Bug Fix	Status panel is refreshed in design time in Visual Studio	JP
229380	1/31/2017	WinToolbarsManager	Bug Fix	There is no padding between WinToolbarsManager's tool	EN
229973	12/21/2016	WinTree	Bug Fix	Scrollbar intersection does not pick up the control's background color	EN
230005	12/19/2016	WinGanttView	Bug Fix	When a task is milestone its dragging behaviour is incorrent	EN
230029	2/23/2017	WinZoomPanel	Bug Fix	Argument exception is thrown when setting property in deisgn time	EN

230149	3/9/2017	WinSchedule	Bug Fix	There is null value for collection within control's event handler	EN
230340	3/16/2017	WinGrid	Bug Fix	Object reference not set to instance of an object exception when saving the layout file	EN
230441	3/21/2017	WinGrid	Bug Fix	Not all rows are painted and disabled vertical scroll bar is shown	EN
230550	3/11/2017	WinDockManager	Bug Fix	Keys combination tabs to disabled multi document interface form	EN
230556	3/23/2017	WinToolbarsManager	Bug Fix	Hidden tool cannot be customized in ribbon customization dialog	EN
230622	2/24/2017	WinGrid	Bug Fix	Setting data source on control sets wrong state on updating property	EN
230630	1/6/2017	WinEditors	Bug Fix	Appearnce proprty should not be visible in design time	EN
230632	3/28/2017	WinDockManager	Bug Fix	Resize indicator incorrectly placed when dot per inch awareness is turned off	EN
230639	5/2/2017	UltraSpreadsheet	Bug Fix	Null reference exception is thrown when a Japanese character is entered into an active cell	JP
230689	2/15/2017	WinTextEditor	Bug Fix	Null reference exception is raised in design time	EN
230758	3/27/2017	WinGrid	Bug Fix	Dropdown button does not appear on control in cell proxy	EN
230812	3/17/2017	WinEditors	Bug Fix	General GDI+ exception occurs on entering tooltip text with specific key down combinations	EN
230928	2/24/2017	WinGanttView	Bug Fix	WinGrid rows' height is not synchronized with tasks' heights	EN
230984	3/28/2017	WinGrid	Bug Fix	Exception is thrown when value is set to empty string	EN
230994	2/20/2017	WinToolbarsManager	Bug Fix	Loading a layout from event handler on the menu raises a null reference exception	EN
231190	2/20/2017	WinGrid	Bug Fix	The active row changes away from the filter row when data source sends reset notification	EN
231438	3/29/2017	WinOptionSet	Bug Fix	Radio button glyph looks too small on medium dots per inch resolution on Windows 10	EN
231444	1/31/2017	WinToolbarsManager	Bug Fix	Small image is cut off on the ribbon	EN
231515	3/29/2017	WinLIstView	Bug Fix	Control's scrollbar cannot be visible or hidden	EN
232035	2/2/2017	WinDateTimeEditor	Bug Fix	Japanese error message when the same date or time is set to minimum and maximum date of the control	JP
232056	2/15/2017	WinExcelExporter	Bug Fix	Band header does not exports to Excel	EN

232182	3/16/2017	WinTrackBar	Bug Fix	Control's increment and decrement buttons default images do not scale correctly	EN
232238	3/21/2017	UltraDataChart	Bug Fix	Object reference exception is raised when control's series collection is empty	EN
232347	3/20/2017	WinZoomPanel	Bug Fix	Argument exception is thrown on setting property	EN
232454	4/27/2017	WinDataChart	Bug Fix	Whole control area turns to black when move mouse pointer on the control's surface	JP
233179	3/9/2017	WinGrid	Bug Fix	Pressing Tab key after the last cell moves the mouse on the first row of the control	EN
233658	3/7/2017	WinGrid	Bug Fix	Wrong order of triggered events within the control	EN
233926	3/24/2017	WinToolbarsManager	Bug Fix	Flickering is caused on mouse hover on Windows 10 with high dots per inch resolution	EN
234117	4/27/2017	WinComboEditor	Bug Fix	Image displayed on the control is not of the checked item but the last selected item	EN
234257	3/22/2017	WinGrid	Bug Fix	There is a typo in the WinGrid resource string	JP
234382	3/28/2017	WinGrid	Bug Fix	Black line is drawn out of the WinGrid while resizing the column on system with high dots per inch resolution	EN
234632	4/26/2017	WinGrid	Bug Fix	Event is raised three times when not needed	EN
234802	4/10/2017	WinCarousel	Bug Fix	Floating and deleting the designer dialog deletes it	EN
234960	4/27/2017	WinFormManager	Bug Fix	Form icon displayed in wrong location	EN
235102	4/24/2017	WinEditors	Bug Fix	On double click cell content is deleted	EN
235222	4/10/2017	WinPivotGrid	Bug Fix	Exception is thrown when you load the control	EN
235581	4/11/2017	WinToolbarsManager	Bug Fix	When multiline tool's caption is not aligned correctly	EN
235745	4/17/2017	WinGrid	Bug Fix	Grouping by rows when a summary formula defined throws null reference exception	EN
235785	4/25/2017	WinToolbarsManager	Bug Fix	Null reference exception after pressing keytip	EN
235850	4/24/2017	WinGrid	Bug Fix	Large text set on the header does not update the WinGrid as expected	EN
236047	4/26/2017	WinToolbarsManager	Bug Fix	Control within container stays visible even when the entire ribbon group is hidden	EN

236390	5/2/2017	UltraSpreadsheet	Bug Fix	Unhandled exception in control's cell	EN