NetAdvantage® for WPF Release Notes – 12.1 Volume Release

Create electrifying user experiences with next generation WPF controls that deliver the high performance and rich feature set your line-of-business users demand. Visual Studio® 2010 and Expression Blend® support streamlines your creation of Windows® 7 and Office® 2010 style experiences that are immersive and engaging.

WPF | NETADVANTAGE for WPF

Installation

Downloading	[Download NetAdvantage for WPF here.](#)

What's New

The [NetAdvantage for WPF 2012.1](#) release includes Data Visualization controls in addition to Line of Business controls and from now on these two toolsets will be offered as one product.

The key new features for NetAdvantage for WPF are:

- Metro Touch–Friendly Styles across all controls
- Touch Gesture Support
- Color Tuner support across all controls
- Infragistics Undo/Redo Framework features
- Infragistics Excel Engine features
- OLAP Pie Chart – New Control (CTP)
- Support for Visual Studio 11 Beta
- XamBarcode – Human Readable Barcode Text
- XamDataChart – High Density Scatter Series type (CTP)
- XamDataChart – OLAP Axis type (CTP)
- XamDataChart – Overview Plus Detail Pane
- XamDataChart – Point Series type
- XamGeographicMap – new control

INFRAGISTICS DESIGN / DEVELOP / EXPERIENCE

- XamGrid features
- XamPivotGrid features
- XamRibbon - Customization Dialog
- XamSparkline – New Control

Metro Touch-Friendly Theme

Metro theme provides styles that can be applied to all controls. This theme is using white, gray and black colors, with cyan as a highlight/accent color. Since this is a theme made especially for touch environment, the controls have larger touch areas for easier use.

Touch Gesture Support

Starting from the 12.1 release of the NetAdvantage for WPF, controls supports touch gestures such as tab, double tab, long press, pan, and flick. There are many improvements in the controls to support touch gestures, like larger touch targets and invisible touch buffers so that the controls can be easily operated in a touch environment. Also to make controls even more easy to use with fingers you can apply a specially created Metro Theme. Touch gestures are supported in:

- XamGrid control
- XamDataTree control
- XamComboEditor control
- XamMultiColumnComboEditor control
- XamTileManager control
- Relevant XamSchedule controls

Color Tuner Support

The Color Tuner allows developers to easily style their entire application with a few clicks of the mouse. Implemented as a Visual Studio extension, a developer can open the Color Tuner within their project, choose one of the available themes and apply any color to that theme. This creates the updated XAML which is inserted into the App XAML file and applied globally to the entire application.

The Color Tuner helps developers achieve the following:

- Easily apply application-wide themes for the Infragistics controls.
- Color-tune a theme without writing any XAML code.
- Save color tuning configurations.
- Share color tuning configurations.

Infragistics Undo/Redo Framework features

The Infragistics Undo/Redo Framework provides support for undo/redo functionality available in the most applications. Using the framework API, you can implement unlimited multi-level undo and redo of the end-user operations. Key features of the Undo Framework include:

- Undo/Redo History Stacks – The UndoManager automatically manages the Undo/Redo history stacks. The collections raise change notifications and therefore may be used as a source for providing a UI that displays the entries in the history stacks.
- Built-In UndoUnits – The framework includes a number of built in undo units that provide support for undoing/redoing property and collection changes.
- Delegate UndoUnit – The framework makes it easy to add a method/delegate as an operation in the undo/redo history.
- ObservableCollectionWithUndo – The framework includes a derived ObservableCollection that makes it easier to add support for undo/redo of collection changes.
- Transactions – Provides the ability to group one or more operations into a single history entry. One may also rollback a transaction performing the operations that were stored up to that point.

- Custom UndoUnits – The framework allows developers to create their own custom UndoUnit to support undo/redo of other types of operations.
- Commands – A number of built in commands are provided to make it easier to invoke an Undo/Redo operation from within your UI.

Infragistics Excel Engine features

The Infragistics Excel library now supports accessing built-in styles, parent styles, format options, numerous Microsoft Excel behaviors regarding styles, and possibility for determining resolved cell formats. The key new features include:

- Excel Format Support – This feature supports accessing built-in styles, parent styles, format options, numerous Microsoft Excel behaviors regarding styles, and possibilities for determining resolved cell formats.
- Excel 2007 Color Model – Using Excel 2007 Color model you can specify a color, work with Workbook palette and use new Fill property for filing cells.
- Support Named Tables in an Excel Spreadsheet – The Excel Engine library now supports the ability to access and create named Tables with data from the worksheet. The tables can be sorted, filtered, and aggregated.
- Filtering and Sorting Tables – Excel Engine supports table filtering and sorting.
- Get Cell Text – Determine the text that would be displayed in Microsoft Excel® cell given the cell's value, format string, column width, and worksheet options.

OLAP Pie Chart – new control (CTP)

The XamOlapPieChart control is released as CTP in 12.1. The control represents the OLAP data like sequence of connected pie charts. Each pie chart represents one chunk of data from OLAP data source. The user can choose which slice to be shown as pie chart and which to be shown as data of single pie chart.

Support for Visual Studio 11 Beta

NetAdvantage for WPF controls and components can be used in Microsoft™ Visual Studio© 2011 Beta.

XamBarcode – Human Readable Barcode Text

The XamBarcode has introduced a property called ShowText for the purpose of hiding or showing the human readable text also known as the data of the bar code. The bar code text is located underneath the barcode. By default, the text is visible.

XamDataChart – High Density Scatter Series type (CTP)

The XamDataChart control now includes a new type of series called High Density Scatter Series. This type of series is released as CTP in 12.1 and it is capable of displaying millions of data points. The chart plot area with more densely populated data points are represented by condensed red color pixels and loosely distributed data points are represented by black color pixels.

XamDataChart – OLAP Axis type (CTP)

The XamDataChart control with an OLAP Axis type can presents a graphical representation of the OLAP data source. Integrating Infragistics XamDataChart control with an OLAP data source gives developers an opportunity to deliver a true end-user drill-down experience with large volumes of data in a highly visual way. Common scenarios of OLAP include:

- Sales dashboard – OLAP chart is used to show multi-dimensional sales data of an organization. It can depict sales totals across an entire country, state or any region, and also display further details for sites where sales are particularly strong or weak.
- Hierarchical financial dashboards – OLAP chart is used for reporting income statements and balance sheets that include all subsidiaries. It can also show the financial data in a specified local currency at each level or subsidiary.

XamDataChart – Overview Plus Detail Pane

The XamDataChart control has introduced an overview of chart content is represented by the XamOverviewPlusDetailPane control. This control provides preview of all types of supported series as well as navigation functionalities.

XamDataChart – Point Series type

The XamDataChart control has introduced a new type of series called Point Series. It intends to display the data points as markers or points using small shaped icons identifying them. The Point Series is one of the chart types in XamDataChart control's family of category series. It is designed to render the data as points or markers on the chart. The numeric values correspond to Y axis, and the X axis is used for displaying the labels. The XamDataChart supports single or multiple point series objects to be rendered, meaning one collection or more than one collection of data.

XamGeographicMap – new control

In NetAdvantage for WPF, the XamGeographicMap is a new mapping control capable of displaying data that contains geographic locations from view models or geospatial data loaded from shape files. Also, this control supports these features:

- Geographic Imagery Maps – Provides rendering geographic imagery from Bing Maps™, Open Street Maps, and CloudMade© Maps. Also, it supports creation of maps from other geographic imagery sources such as Map Quest©.
- Geographic Series – Provides rendering of an unlimited number of geographic series that can display geospatial data as points, polylines, and polygons. Multiple geographic series can be used to create a complex layering of map elements; e.g. states, cities, and roads.
- Shape File Converter – Provides loading geospatial data from shape files and converting it to data models that can be bound to geographic series as items sources.
- Data Binding – Provides data binding to data sources with geographic data using data mapping properties of geographic series.
- High Performance Rendering – Provides plotting of tens of thousands of data points, and update them every few milliseconds so that the control can handle your real-time feeds.
- Customizable Shape Templates – Provides customizable shape templates that can be styled conditionally based on data values.
- Customizable Marker Templates – Provides customizable marker templates for displaying geographic locations as cities, airports, earthquakes, or points of interest.
- Map Navigation – Provides customizable navigation behaviors for navigating map content using mouse, keyboard, or code-behind.

XamGrid features

The XamGrid control now has a few new features:

- XamSparkline column – The Sparkline column type allows the display of a Sparkline chart in a grid cell by inserting the XamSparkline control.
- XamMultiColumnCombo column – The MultiColumnCombo column is column type that displays multiple columns in a drop down list.
- DateTimeColumn column – The DateTimeColumn displays dates using the xamDateTimeInput control.
- Copy and Paste Helper Methods – The copy and paste helper methods facilitate the data copying and pasting in the XamGridcontrol.
- Support for implicit data templates – The XamGrid supports applying implicit data templates on specific data type in a TemplateColumn.
- Custom Filter Dialog – The dialog interface can be used by the end user to create complex filters on data in a column.

XamPivotGrid features

In NetAdvantage 2012 Vol.1 for WPF, the XamPivotGrid control comes with many new features:

- Define calculative rows & columns and calculated measures – allow the ability to add custom filed with custom calculated logic.
- Excel-like Filter/Query Dialog with Expressions (CTP) – give ability to apply different predefined filters to data source. Expose convenient UI for specify user parameters.
- Template Column – Allow user to apply different template for defined hierarchy. Using this feature user can fully customize the data look and view.

INFRAGISTICS
DESIGN / DEVELOP / EXPERIENCE

- Highlighted Row(s) State (Template) - Allow ability to select header cells from rows or columns. These cells are also added to selected collection.
- Dynamic Field Lists – give ability to control dimensions shown in DataSelector's dimensions tree. In this way user can load different dimension depending from logic he has.
- Data Selector Lockable Sub Components - Allow the ability to enable/disable the sub components of the data selector. Depending on the user logic, one or more sub components can be enabled/disabled.
- Restrict Sub Component Fields – allow the ability to restrict dropping of specific dimension on specific area.
- Field Chooser – Show convenient dropdown from which user can choose the dimensions which populate grid with data.

XamRibbon - Customization Dialog

The Infragistics XamRibbon got a configuration dialog in NetAdvantage 2012.1 release. When you open it you have two tabs with configurations. The first one is the Ribbon configurations and the second is the Quick Access Toolbar.

XamSparkline – new control

The XamSparkline control is minified versions specific chart types that are typically used in dashboards or data grid cells so users can spot trends, variations and patterns in the data in clear and compact graphical representation. Sparklines are small data-intense, design-simple, word sized graphics. In the grid, sparklines are placed next to the range of data on which they are plotted. In XamGrid, a dedicated column/row is created for displaying the sparkline and information associated with it is either placed next to the range of data selected or after the last row/column in the grid. The XamSparkline control contains 4 display charts:

- Sparkline Line Chart
- Sparkline Bar Chart

- Sparkline Area Chart
- Sparkline Win/Loss Chart

What's Fixed

Control	Product Impact	Description
Excel Engine	Bug Fix	Settings of Shapes on xlsx file are vanished after saving by using assemblies for WPF. Notes: Fixed an issue where loading an Excel file with shapes may cause the solid outline or fill colors to be lost. Also, added support to round-trip the shape outline width when a file is loaded and saved out again.
Excel Engine	Bug Fix	Cell border setting, space setting between characters, and column width settings are lost after a document is loaded and saved. Notes: Fixed a few issues with the Excel library: 1) Fixed an issue with alignment not being round-tripped correctly when using distributed alignment on an Asian language system. 2) Fixed an issue with the default column width of worksheet being round-tripped incorrectly on an Asian language system. 3) Fixed an issue which might cause formulas to be lost in some cells when loading a file in the 2003 formats. 4) Fixed an issue which might cause some culture-based date and time format strings to save or load incorrectly.
Excel Engine	Bug Fix	Invalid value returned from lookup in another worksheet (IF / RIGHT) Notes: Fixed an issue in the Excel engine which can occur when using HLOOKUP, VLOOKUP, LOOKUP, or MATCH functions if the lookup value cannot be found in the lookup range and an approximate match search is being done.
Excel Engine	Bug Fix	System.ArgumentException thrown when saving file with font Helvetica Condensed

		Notes: Fixed an exception which could occur in the Excel library when a cell has a font name which isn't installed on the system.
Excel Engine	Bug Fix	Value is calculated incorrectly using MATCH function Notes: Fixed an issue when using the MATCH function in the Excel library, the lookup value cannot be found in the lookup range, and the match type is 0 or 1.
Excel Engine	Bug Fix	Value is calculated incorrectly using INDEX function Notes: Fixed and issue with the Excel library where using a single cell reference as the lookup array in VLOOKUP or HLOOKUP functions caused a #VALUE! error to be returned.
Excel Engine	Bug Fix	InvalidOperationException thrown when number of fonts exceeds 512 Notes: Fixed an issue with the Excel library where loading a file may throw an exception saying there are too many fonts.
Excel Engine	Bug Fix	Functionality to get Excel cell (row and column indexes) of Custom or User Defined function calling cell in Evaluate method Notes: Added an ExcelCalcNumberStack.OwningCell property so that custom registered functions in the Excel library can determine which cell's formula is being solved.
Excel Engine	Bug Fix	Calculation is incorrect Notes: Fixed an issue where comparing values less than 1 and greater than -1 to other values in Excel formulas caused a #VALUE! error to occur.
Excel Engine	Bug Fix	Performance issue coping ranges

		Notes: Fixed an issue with the Excel library where using the VLOOKUP, HLOOKUP, LOOKUP, or MATCH function with a null lookup value might result in a valid value being returned where it should return an #N/A error.
Excel Engine	Bug Fix	Font size gets changed after a document is loaded and saved. Notes: Fixed an issue with the Excel library where round-tripping a 2003 format file may cause some cells with formatted text values to have the wrong formatting at the start of the text.
Installers	Bug Fix	Missing Default Styles for Calendar
XamBarcode	Bug Fix	Topic: Wrong image displayed in QR Code Barcode topic Notes: Fixed an issue with wrong images displayed in barcode topic.
XamCalculationManager	Bug Fix	A "NullReferenceException" is thrown, when there is a second FieldLayout defined in the XamDataGrid. Notes: Fixed a null reference exception in data presenter calculation adapter when multiple field-layouts are used and formula editor is brought up.
XamCalculationManager	Bug Fix	DataPresenter control is listed in the Controls category in the FormulaEditorDialog Notes: Removed the XamDataGrid from the FormulaEditorDialog when the fields in the grid are present in the calculation network.
XamCalculationManager	Bug Fix	Exception is thrown when the FieldLayout's CalculationReferenceId is not set and the Description should be used
XamCalculationManager	Bug Fix	SummaryDefinition cannot be a target of the FormulaEditor
XamCalculationManager	Bug Fix	The cell value of a record in a group can't be used as a reference
XamCalculationManager	Bug Fix	Calculations are not working for the child layouts
XamCalculationManager	Bug Fix	Data changed icons appear on the record selectors when there is formula on a data bound field

XamColorPicker	Bug Fix	Samples Browser crashes on Color Picker sample with Grid
XamColorPicker	Bug Fix	Changes in the sizing behavior of XamColorPicker when sizes are not explicitly provided
XamComboEditor	Bug Fix	ComboEditor dropdown appears far away from the editor portion
XamComboEditor	Bug Fix	SelectedItem is null if AutoComplete is set to True and the control loses focus while typing into it. Notes: Fixed the control's lost focus processing to properly select items for which partial text has been entered, when AutoComplete is active.
XamComboEditor	Bug Fix	Incorrect positioning of the popup during filtering when the popup is displayed above the editor Notes: Fixed the dropdown positioning logic for the control so that the dropdown is correctly sized and positioned when it opens above the control
XamDataChart	Bug Fix	Topic: XamDataChart topic missing proper landing page and image
XamDataChart	Bug Fix	Topic Bug: Missing topic overview and L code in Value Overlay topic
XamDataChart	Bug Fix	IndexOutOfRangeException is thrown when data source is empty collection and OlapAxis is used Notes: Fixed an issue where the OlapAxis throws an exception if the data source is empty. Note that this fix is available from the 12.1 volume release.
XamDataChart	Bug Fix	Series not redrawn when setting its Visibility property to Visible after changing the items source. Notes: Fixed issue where toggling the Visibility proxy of a Series would not re-render the Series.
XamDataChart	Bug Fix	Part of the LineSeries is not rendered when the value of one of the data points is null Notes: Fixed an issue where a NaN or null value could cause the next point to not display, in some circumstances on the CategoryDateTimeXAxis, was resolved.
XamDataChart	Bug Fix	Topic: Axis Crossing help topic should define StrokeThickness in XAML so axis crossing line is readily visible

		Notes: Fixed an issue with missing code in a help topic about using axis in Data Chart control. This fix will be present in the documentation from 2012 Volume 1 onwards.
XamDockManager	Bug Fix	AllowDockingBottom - wrong description for that property
XamDockManager	Bug Fix	Description for closing events is used for ActiveChanged and ActiveChanging events
XamDockManager	Bug Fix	PaneToolWindows switch between maximized and restored when loading a layout where multiple floating windows were maximized on non-primary monitors Notes: Fixed the logic used to ensure a maximized window is in the viewable area to use the actual position of the associated HWND.
XamDataTree	Bug Fix	Command does not get executed from hyperlink in node Notes: Fixed Drag and Drop framework which was grabbing capture in XamDataTree
XamDataTree	Bug Fix	Cannot select text using mouse in textbox in popup of node Notes: Fixed Drag and Drop framework which was grabbing capture in XamDataTree
XamDataTree	Bug Fix	Children nodes are not visible if they are expanded on InitilizeNode event
XamDataGrid	Bug Fix	RecordFilterDropDownItemInitializing event is not called. Notes: Fixed the Data Grid in the scenario where the a RecordFilter condition is added before its associated FieldLayout is initialized. Now, the Data Grid will raise the RecordFilterDropDownItemInitializing event after the FieldLayout is initialized instead of not raising it at all. Note: even before this fix it was possible to work-around this bug by waiting until the FieldLayoutInitialized event was raised to add the RecordFilter.
XamDataGrid	Bug Fix	XamDataGrid with sorted column causes NullReferenceException

		Notes: Fixed an NullReferenceException which may occur while exporting a XamDataGrid to Excel.
XamDataGrid	Bug Fix	A single record appears on the grid when a whole range of records are being added. Notes: Modified the XamDataGrid's processing of datasource changes when multiple data items are added in one change notification. Fixed a bug where the control was not properly initializing certain stack variables while processing the list of records to be added.
XamDataPresenter	Bug Fix	Exporting field with width set to * results in very small column in excel Notes: Fixed an issue with exporting the DataPresenter to Excel. Previously, if any fields were star sized, they would have almost no width in the exported file. Now they will display correctly.
XamDataPresenter	Bug Fix	Exception when last records are group by and scrolling using page down
XamDialogWindow	Bug Fix	API documentation for the Show, Minimize, Maximize and Close methods of XamDialogWindow is incorrect
XamDialogWindow	Bug Fix	Sample: Caption Buttons does not function as expected in a sample Notes: Fixed an issue where selection of caption buttons in options panel of a sample did not update view of the XamDialogWindow
XamEditors	Improvement	Setting only hour in date time mask doesn't work Notes: Fixed an issue where setting only hour in date time mask did not work. Now, sole "hh" in mask preceded by date sections will be interpreted as an hour section.
XamEditors	Improvement	Displayed text does not correspond to the value when large values are used. Notes: Fixed an issue with setting masks in editor controls. Now if no mask is specified on a MaskedEditor and MaskedInput and there is a numeric value with larger number of digits then the auto-generated numeric mask is encountered, the mask is expanded to accommodate the encountered value.

INFRAGISTICS
DESIGN / DEVELOP / EXPERIENCE

XamEditors	Bug Fix	Minus sign is not accepted if the number is selected. Notes: Fixed an issue where overwriting partially selected contents in a number section was not allowed if the selection spanned a '-' sign in the number section and the selection did not begin at the first character of the number section.	
XamEditors	Improvement	First digit is not displayed when a double value has more than 10 digits in the integer part of the number. Notes: Fixed an issues with setting masks in editor controls. Now if no mask is specified on a MaskedEditor and MaskedInput and a numeric value with larger number of digits than the auto-generated numeric mask is encountered. The mask is expanded to accommodate the encountered value.	
XamEditors	Bug Fix	Aero theme not applied to Editor Notes: Fixed an issues with the border color not being changed when the mouse is hovered over Editor control with applied Aero theme	
XamGrid	Bug Fix	Sample: Description of a XamGrid sample refers to WPF Grid	
XamGrid	Bug Fix	Button requires double click to execute GridRowCommandSource Delete Command Notes: Fixed an issue where buttons required double click to execute delete command in Grid control.	
XamGrid	Bug Fix	Topic: Group Column documentation shows code for products and display image of Patients Notes: Added a new image that reflects code provided in a topic about grouping columns in Grid control	
XamGrid	Bug Fix	When changing DataTemplate in runtime , by removing and adding new TemplateColumn, it does not apply as expected to all the cells	
XamGrid	Bug Fix	Grid layout is not updated when paging and filtering are enabled and using ICollectionView	
XamGrid	Bug Fix	It's possible to edit a cell in Checkbox, Combo, Date, DateTime, XamMultiColumnComboColumn even if the cell is not in edit mode	

XamGrid	Bug Fix	Scroll up automatically when a dialog opens via command Notes: Fixed an issue where the Grid control scrolled up when a dialog was opened via command
XamGrid	Bug Fix	Cell won't go into edit mode even though it is active cell Notes: Fixed an issue where active cell did not changed to edit mode in the Grid control
XamGrid	Bug Fix	Exception is throw from NullableDoubleConverter when using '.' as decimal separator in l if the CurrentCulture has different decimal separator
XamGrid	Bug Fix	Tests for XamDataTree and Grid are failing with stack trace ending at Infragistics.RecyclingManager.PanelInfo.ReleaseAll
XamGrid	Bug Fix	Grid FilterMenu manipulation causes catastrophic failure when FlowDirectionis RightToLeft
XamGrid	Bug Fix	Clearing filter causes CatastrophicException when FlowDirection is set to RightToLeft Notes: Fixed an issue that caused CatastrophicException when FlowDirection is set to RightToLeft and clearing filter in the Grid control.
XamGrid	Bug Fix	Columns/cells show up after a delay when the grid is first loaded Notes: Added logic to use the OnInitialized to trigger the initial load rather than waiting for the initial Loaded event.
XamGrid	Bug Fix	Grid DateTime filters without input cannot be cleared
XamInputs	Bug Fix	Input's text is not updated correctly
XamInputs	Bug Fix	Padding doesn't work for all themes except Metro
XamInputs	Bug Fix	XamInputs change their width when placed in container with infinite horizontal space when they receive the focus
XamInputs	Bug Fix	Control specific properties are displayed in two groups for DateTimeInput
XamMenu	Bug Fix	MenuSeparator takes focus when using tab to navigate between the menu items
XamMap	Bug Fix	XamMap throws an Exception upon trying to load a XamMap with a XamTimeLine in each MapElement

XamMultiColumnCombo	Bug Fix	IGTheme, Office2010Blue: Implicit styles for checkboxes in XamMultiColumnCombo themes
XamNetworkNode	Bug Fix	A standalone Node is shown, with the same reference to the one that is hidden and then shown using Binding to the XamNetworkNodeNodeControl's Visibility Property. Notes: Fixed an issue where not visible node controls were recycled.
XamNetworkNode	Bug Fix	Some property descriptions for XamNetworkNode are in English
XamOrgChart	Bug Fix	XamOrgChart InitialTreeDepth is not applying right at runtime in certain cases
XamOutlookBar	Bug Fix	Topic: Using DefaultGroupsContainer as defined in documentation does not work Notes: Corrected topic about adding groups by data binding for XamOutlookBar control
XamOutlookBar	Bug Fix	Groups are bouncing when hovering over Add or Remove Buttons menu item Notes: Fixed an issue with the AddRemoveButtons menu which caused the Groups to flicker when the menu was opened when the XamOutlookBar is minimized.
XamPivotGrid	Bug Fix	XamPivotGrid Data is not loaded when change between sources
XamPivotGrid	Bug Fix	XamPivotGrid AllowSorting property set to false throws an exception
XamPivotGrid	Bug Fix	XamPivotGrid is hiding the first column at resizing Notes: Fixed an issue with rendering of the XamPivotGrid control that occurred when the drop area is used for resizing the columns in header
XamPivotGrid	Bug Fix	InvalidOperation Exception is thrown. Notes: Fixed synchronization between multiple tasks executed simultaneously. Extended FlatDataSource's live update to provide a way the end user to control how and when the changes are propagated to the data cache used when the result is built. For that purpose FlatDataSource exposes those new properties and

INFRAGISTICS
DESIGN / DEVELOP / EXPERIENCE

			methods: FlatDataSource.AutoUpdate – Gets or sets a value indicating whether the pending changes are processed automatically. The default value is true. FlatDataSource.UpdateTimeout – Gets or sets the timeout in milliseconds before all pending changes are applied. The default value is 0 which means that each change is immediately reflected by the pivot grid. FlatDataSource.ApplyLiveUpdates() – Updates the data provider's cache with the pending changes when FlatDataSource.AutoUpdate is set to false.
XamPivotGrid	Bug Fix	Sample: Row headers are not exported when AllowCompactLayout is set to True Notes: Fixed an issue in code for exporting view of XamPivotGrid to Excel file when the AllowCompactLayout property was set to true
XamPivotGrid	Bug Fix	FileNotFoundException is thrown for assembly 'Infragistics.WPF4.Controls.Grids.XamPivotGrid.v11.1.Aero' which doesn't exist Notes: Fixed an issue in references of the Infragistics.WPF4.Controls.Grids.XamPivotGrid assembly
XamPivotGrid	Bug Fix	XamPivotGrid measure values in cells are removed when remove measure and defer update is set and no dimension is set i column header Notes: Fixed an issue with the data area that did not respect the defer layout update and it rendered data even when defer layout update was true
XamSchedule	Bug Fix	Cannot perform a previous timeslot range selection of more than 2 timeslots using the keyboard Notes: Adjusted the fix that constrained timeslot selection to be within the min/max range such that the end remains before the start if it started that way before the intersection operation.
XamSchedule	Bug Fix	Topic: IQueryable misspelled as IQueriable Notes: Corrected typo in a topic about using connector XamMapping with XamSchedule control
XamSlider	Bug Fix	Wrong description for ThumbValueChanged

XamSlider	Bug Fix	Incorrect description is bolded - WebRangeXamSlider<T>.TrackFillDragCompleted
XamRibbon	Bug Fix	In-XamRibbon Galleries are not correctly sized. MaxPreviewColumns, PreferredDropDpwnColumns properties are not working as expected. Notes: Fixed an issue with sizes of In-XamRibbon Galleries in the XamRibbon control
XamRibbon	Bug Fix	Wrong .resx file is dropped by the installer for the XamRibbon control Notes: Fixed an issue with incorrect strings resource file packaged with the XamRibbon control.
XamRibbon	Bug Fix	Sample: Incorrect description for Blue Themes in feature browser Notes: Fixed description of the Theming sample for XamRibbon control.
XamTimeLine	Bug Fix	DetailsPane appears at the tops of the XamTimeLine when a theme's been applied at runtime Notes: Fixed an issue with applying theme at runtime caused details pane in XamTimeLine to be arrange in top of control
XamTimeLine	Bug Fix	Cannot apply themes at runtime for XamTimeLine Notes: Fixed exception when run time theme was applied to the XamTimeLine control
XamTileManager	Breaking Change (Visual Appearance)	NullReferenceException is thrown, when you try to drag the splitter, if it is an XBAP application Notes: Fixed security exceptions when running in low-trust xbap applications trying to drag tiles or moving the tile area splitter.
XamTileManager	Bug Fix	Crash in a XBAP application when try to drag and drop tiles Notes:

	Fixed security exceptions when running in low-trust xbap applications trying to drag tiles or moving the tile area splitter.