NetAdvantage® for WPF 13.1 Release Notes

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.

Installation

Downloading	Download NetAdvantage for WPF here.

What's New

The key new features for NetAdvantage for WPF are:

- Infragistics Syntax Parsing Engine – New Parsing Engine
- xamDataChart – High Density Scatter Series
- xamDataChart – Hover Interactions
- xamDataGrid – New Sorting Behavior
- xamDataGrid – New Grouping Behavior
- xamDoughnutChart – new control
- xamGantt – Save Project to XML
- xamGeographicMap – Displaying Geographic Imagery from ArcGIS Online Servers
- xamGeographicMap – Geographic Proportional Symbol Series
- xamGeographicMap – Simplified Support for Bing Maps Imagery
- xamGeographicMap – Using Geographic Tile Series
- xamMenu – Icommand Support for xamMenuItem
- xamPivotGrid – Saving and Loading Grid Customizations
- xamRibbon – Application Menu 2010

- xamSyntaxEditor – Clipboard Events
- xamSyntaxEditor – Current Line Highlight
- xamSyntaxEditor – Custom Adornments
- xamSyntaxEditor – Ruler Margin
- xamSyntaxEditor – Whitespace Highlight
- xamSyntaxEditor – Transact – SQL
- xamTreemap - Tooltips

Infragistics Syntax Parsing Engine

The Infragistics Syntax Parsing Engine is a set of classes capable of taking a definition for the grammatical structure of a type of document and producing analyzers to read and process those documents.

Main features:

- Creating analyzers
- Performing analysis

Other features:

- Analyzing grammar
- Identifying Errors and Ambiguities

Generating C# and Visual Basic language class files

INFRAGISTICS
DESIGN / DEVELOP / EXPERIENCE

xamDataChart - High Density Scatter Series

The *xamDataChart* control's HighDensityScatterSeries can bind and show scatter data ranging from hundreds to millions of data points with minimal loading time. The series displays the scatter data as tiny dots as opposed to full size markers due to the fact that there are so many data points. The area with the most data is displayed with the higher color density, like a cluster of data points.

xamDataChart – Hover Interactions

Hover interactions are implemented through hover interaction layers which are series that are added to the series collection, and are dependent on the cursor's position. Adding the hover interaction layers to the *xamDataChart* control disables the default behavior of crosshairs, tooltips or both depending on the type of the added layer.

xamDataGrid – New Sorting Behavior

The control offers new sorting capabilities via the UI or using code.

xamDataGrid – New Grouping Behavior

The new grouping behavior allows users to group data into more readable and navigable arrangements.

xamDoughnutChart

The *xamDoughnutChart* control is similar to the *xamPieChart* –proportionally illustrating the occurrences of a variable or multiple variables in concentric rings and provides built-in support for visualizing hierarchical data.

xamGantt – Save Project to XML

The control provides the ability to save the current project plan to a MS Project XML file.

INFRAGISTICS
DESIGN / DEVELOP / EXPERIENCE

xamGeographicMap - Displaying Geographic Imagery from ArcGIS Online Servers

ArcGIS Online is an Esri product that allows you to create and share maps either publicly or privately. You can also access other maps created by Esri and other ArcGIS users.

You can see a partial list of available public maps at the [Esri Maps and Data Group](#).

xamGeographicMap - Geographic Proportional Symbol Series

The GeographicProportionalSymbolSeries is a Scatter Series, the size of whose symbols are data-driven. It implements GeographicSymbolSeries and has all the basic characteristics of the *xamDataChart* control's BubbleSeries.

xamGeographicMap – Simplified Support for Bing Maps Imagery

The simplified Bing Maps interface allows you to access Bing Maps with minimal setup. Previously, you had to configure a REST services to access Bing Maps and get the required URIs for the titles. With this release, this functionality is now built-in to the *xamGeographicMap* control.

xamGeographicMap – Using Geographic Tile Series

The GeographicTileSeries is a visual map element belonging to the *xamGeographicMap* control that superimposes additional tile imagery over the base tile imagery defined in the *xamGeographicMap* control's BackgroundContent property.

The GeographicTileSeries is similar to the GeographicPolylineSeries except that the polylines function to clip the tile visuals rather than draw polylines.

xamPivotGrid - Saving and Loading Grid Customizations

The control exposes new events for supporting clipboard operations.

xamSyntaxEditor - Clipboard Events

The control exposes new events for supporting clipboard operations.

xamSyntaxEditor - Current Line Highlight

The current line highlighting feature highlights the line containing the caret.

xamSyntaxEditor - Custom Adornments

Adornments are visual elements displayed in the control's text editing area that display visual user cues.

xamSyntaxEditor - Ruler Margin

The ruler margin visually indicates the location of the caret in the current line with a customizable colored dot.

xamSyntaxEditor - Whitespace Highlight

The whitespace highlighting feature allows you to indicate all of the places in the document occupied by spaces and tabs.

xamSyntaxEditor – Transact – SQL

The Transact-SQL language is now supported by the xamSyntaxEditor.

xamTreemap – Tooltips

This control exposes new properties making it easier to use and style tooltips.

What's Fixed

Components	Product Impact	Description
CalculationManager	Bug Fix	Escape Sequence is not working in ReferenceId Notes: Fixed an issue in the calculation manager related to using characters in the control reference id that have special meaning to the reference name syntax.
CalculationManager	Bug Fix	Formulas are not calculated if the reference id of a control contains a special character which is escaped properly in the formula. Notes: Fixed an issue in calculation manager related to using characters in control reference id that have special meaning to the reference name syntax.
ColorPicker	Bug Fix	RuntimeError 'Layout Cycle Detected' is thrown if the colorpicker is placed inside ViewBox
Combo Editor	Bug Fix	Instances are not collected when the control opens in a window and a new item is selected from the drop down causing a memory leak Notes: Fixed an issue in XamComboEditor where it was causing itself to be rooted by the data source if the data source is IBindingList.
DataGrid	Bug Fix	The 'SelectedItemsChanged' event is not fired when the data source of the control is cleared
DataGrid	Bug Fix	Incorrect coded UI test playback on XamDataGrid records

DataGrid	Bug Fix	Groups are incorrect, when GroupByMode is Date and a second Field is grouped. Notes: Fixed an issue in data presenter where groups inside a group-by field using Date group-by evaluator type were formed incorrectly.
DataGrid	Bug Fix	Filtered records are selected.
DataGrid	Bug Fix	NullReferenceException in CalcManager with multiple field layouts
DataGrid	Bug Fix	Style is not re-evaluated when the underlying data is changed using DataTable's LoadDataRow method
DataPresenter	Bug Fix	FieldLayout does not apply when clearing and adding fields Notes: Fixed an issue in data presenter that occurred when a field layout's fields collection is populated, then cleared and re-populated with another set of fields, then a field is dragged, then the field collection is cleared again and re-populated with original set of fields - this led to all the fields being hidden.
DataTree	Bug Fix	UIAutomation client doesn't recognize the xamDataTree control
DataTree	Bug Fix	Add null checks to EnsureCurrentState for NodeLayout
DataTree	Bug Fix	Memory Leak occurs when the datasource is refreshed
DateTime Editor	Improvement	When editting with ValueConstrant MaxExclusion, it is slow to accept input Notes: Added logic to avoid handled exceptions in XamDateTimeEditor when value constraint min/max were specified.

DockManager	Bug Fix	Binding error is appearing in the output when using the IGMetro theme Notes: Fixed some brushes (their color resources), and modified these styles: PaneHeaderPresenter.CloseButtonStyleKey, PaneHeaderPresenter.PositionMenuItemStyleKey, TabGroupPane.DocumentFilesMenuItemStyleKey and TabGroupPane.DocumentCloseButtonStyleKey.
DockManager	Bug Fix	Floating pane maximizes incorrectly on offset monitor
DockManager	Bug Fix	An exception is thrown when closing the main window after dragging a content pane and build platform target is not "x86".
DockManager	Bug Fix	RemotingException appears in Visual Studio 2012 designer when clicking on ContentPane, inside a DocumentContentHost
Drag and Drop Framework	Bug Fix	DragPopup is not closed when the element is dropped.
Excel	Bug Fix	Cannot display the format cells dialog box if the exported excel file contains formatted cell. Notes: Fixed an issue with the Excel library where writing out black borders for a cell in the XLS format would cause the cell format dialog to not display for the cell in Microsoft Excel.
ExcelStyleFiltering	Bug Fix	Excel style filtering menu items have too small font size when using the IGMetro theme
Gantt	Bug Fix	StackOverflowExcepion is thrown when DataContext is set in the loaded event and switching between ContentPans. Notes: Fixed an issue in XamGantt where changing the data context of the control that resulted in a different task items source to be assigned to list backed project caused a stack overflow exception.
Gantt	Bug Fix	Some context menus are not properly styled when the IG theme is applied.
Gantt	Bug Fix	Setting IsOutlineStructurePreservedWhenSorting to false causes the first click on any field not to execute sorting on common language runtime 4.5

Gantt	Bug Fix	The UI is not updating when removing project resources	
Gantt	Bug Fix	Incorrect behavior when typing incorrect percent complete value and using the UP arrows	
Grid	Bug Fix	Data is not displayed correctly when the xamGrid TextColumn is bound to a user-defined data type	
Grid	Bug Fix	ColumnChooser button (in ColumnChooserPopup) doe not have a hover state in Metro theme	
Grid	Bug Fix	An argument exception is thrown when using TemplateColumnLayout and the window width is reduced.	
Grid	Bug Fix	ArgumentException unhandled when resizing split pane with templatedColumn	
Grid	Bug Fix	When auto-sized XamGrid is hosted within two inner managers and then unpinned, the application freezes	
Grid	Improvement	When a column has cells which contain underscores, the first underscore is missing in the items in the filter menu	
Grid	Improvement	XamGrid RowSelector does not have SelectedState in Metro theme Notes: Bug fix	
Grid	Bug Fix	Grouped columns of a grid on the non-active tab disappear when the data is replaced.	
Grid	Bug Fix	Key parameter error occurs	
Grid	Bug Fix	AllowConditionalFormattingChanged DependencyPropertyChanged event causes ArgumentException	
Grid	Bug Fix	Sorting an unbound column that has null values returned from its ValueConverter throws a NRE	
Grid	Bug Fix	Deleting a row using DeleteKeyAction in a grid with sorted UnboundColumn throws an exception	
Grid	Bug Fix	GroupBy operation cannot be cancelled via the Escape key	
Grid	Bug Fix	Wrong Row is selected when there is a scrollbar.	
Grids	Bug Fix	"WPF" in title for a silverlight sample	
MaskedText Editor	Bug Fix	ApplyMask thows null reference exception Notes: Removed an unnecessary handled exception when using ParsedMask.ApplyMask functionality.	
MultiColumnCombo	Bug Fix	Sometimes highlighting disappears during typing	

MultiColumnCombo	Bug Fix	FilteringOnAllColumns does not work on columns with a complex key - i.e. "Address.Street"
Numeric Editor	Bug Fix	Around a second is needed to enter edit mode when the Value is null and MinInclusive and MaxInclusive are set. Notes: Fixed an issue in XamNumericEditor/XamMaskedEditor where using ValueConstraint MinInclusive/Exclusive caused a delay when entering edit mode in debug mode which was caused by an handled exception.
OutlookBar	Bug Fix	Navigation Pane using the Office2010Blue theme doesn't size to content Notes: Changed the width setter of the NavigationPaneOptionsControl to be "MinWidth", so the navigation pane window resizes according to its content.
PivotGrid	Bug Fix	MemoryLeak: Pivot Instance is not cleaned if a measure is added in the grid
PivotGrid	Bug Fix	After refreshing the DataSource the instances of clsSale increase to double Notes: 1. The binding to DataSource properties was not cleared and this caused memory leak 2. PivotGrid theme is fixed as for x:Key="FieldItemTemplateKey" Mode=OneTime is added: <!-- FieldItemTemplateKey --> <DataTemplate x:Key="FieldItemTemplateKey"> <Border Background="Transparent"> <TextBlock Text="{Binding Caption, Mode=OneTime}" VerticalAlignment="Center"/> </Border> </DataTemplate>
PivotGrid	Bug Fix	Styled Cell does not keep its ContetnTemplate
PivotGrid	Bug Fix	When the PercentOfTotalAggregator is used in pivot grid with flat data either the column doesn't show up at all or there is a blank column
PivotGrid	Bug Fix	Merged hierarchies display mixed results

PivotGrid	Bug Fix	FlatDataSource throws an exception when a node level with AllowNullDataLevelMember set to false is expanded	
Ribbon	Bug Fix	Ribbon window's title disappear when changing to the Win8 theme at runtime	
Ribbon	Bug Fix	When applying the Office2k7Blue/Black/Silver themes at run time the caption of the MenuTool group is cut off.	
Row Summaries	Bug Fix	Summaries with CalculationSettings are not appearing when grouping is applied. Notes: Fixed an issue in DataPresenterCalculationAdapter regarding summary formulas and group-by records.	
Schedule	Bug Fix	No reminder appears for the first occurence of a recurrent appointment. Notes: Fixed an issue in XamSchedule where setting ReminderEnabled on a recurring activity after it has been created did not update the ReminderEnabled of the occurrences.	
Schedule	Bug Fix	Activities styles are lost in some Schedule samples with IGColorScheme.	
Shared	Bug Fix	Version free assemblies do not work with provided localized strings	
Slider	Bug Fix	Slider cannot be moved after three slider thumbs overlap	
SyntaxEditor	Bug Fix	GO commands are not accepting parameters	
SyntaxEditor	Bug Fix	Horizontal scroll bar is not refreshing after deleting lines Notes: Fixed an issue which could result in the horizontal scrollbar not adjusting its maximum range properly when content is deleted from the display.	
SyntaxEditor	Bug Fix	Background in TextDocumentAppearance for any ClassificationType in xamSyntaxEditor is not set Notes: Fixed an issue where the TextDocumentAppearance.Background setting for non-whitespace ClassificationTypes was not being honored.	

SyntaxEditor	Bug Fix	NRE occurs after random additions and removals of the XamSyntaxEditor
SyntaxEditor	Bug Fix	Clearing bound collection throws InvalidOperationException Notes: Fixed an issue where an InvalidOperationException would occur when clearing the contents of a TextDocument that was bound to the Document property of a XamSyntaxEditor.
Text Editor	Bug Fix	Invoking 'ToUpper' method sets the caret position in the beginning of the control Notes: Fixed an issue in XamTextEditor where changing the set value to another value in the setter of the source property of the binding to the editor's Text property caused the caret position to be reset to 0.
Timeline	Bug Fix	KeyNotFoundException is thrown when replacing the collection bound to control
Timeline	Bug Fix	TargetInvocationException is thrown, when the control is placed in ContentPane in DocunentContentHost and switching tabs
Timeline	Bug Fix	EventDetails is not fully visible when it is shown at the most right position. Notes: The arrangement of EventDetails control did not respect the boundary of the scene and was clipped from the scene.
Timeline	Bug Fix	Unhandled error "Layout Cycle Detected" occurs when many controls are added at once