NetAdvantage® for Silverlight Release Notes – 12.2 Volume Release - October 2012

Accent your line-of-business RIAs with a great Office 2010 style user experience quickly and easily by using our high-performance Silverlight controls. From blazing fast data grids to a Web-based user interface that rivals the richness previously possible only on the desktop.

Installation

Downloading	[Download NetAdvantage for Silverlight here.](#)
Installation Prerequisites	Before you install NetAdvantage for Silverlight, make sure you have the following: <table><tr><td>Prerequisite</td><td>Description</td></tr><tr><td>Silverlight 5</td><td>Download and Install Silverlight 5 Developer Runtime for Windows from Microsoft© [website](#).</td></tr></table>

What's New

The [NetAdvantage for Silverlight 2012.2](#) release includes the following new features:

- Version-Free Assemblies
- Visual Studio 2012 Support
- XamDataChart – Multi-Dimensional Data (OLAP Data) support
- XamGantt – new control
- XamGrid – support for ICustomTypeProvider
- XamGeographicMap - Overview Plus Detail Pane

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- XamGeographicMap – New Types of Geographic Series
- XamGeographicMap – Data Triangulation and Performance Improvements
- XamPivotGrid - Excel-Style Filtering
- XamPivotGrid - Measures respecting folder paths defined on the SSAS server
- XamPivotGrid - Super-Compact Layout
- XamSyntaxEditor – new control
- Syntax Parsing Engine – new library

Version-Free Assemblies

Starting from the 12.2 release of the NetAdvantage for Silverlight, all controls and components are shipped as version-free assemblies in addition to versioned assemblies that include current version number. Version-free assemblies are libraries that do not have the version number or framework version identifiers in their assembly names. For example, InfragisticsSL5.v12.2.dll will read as InfragisticsSL.dll. The version-free assemblies will always match the latest Common Language Runtime (CLR) version.

Visual Studio 2012 Support

Now, the NetAdvantage for Silverlight toolset is compatible with the latest release of Microsoft's Visual Studio 2012 Integrated Development Environment (IDE). This means that your projects can be carried seamlessly into the future with improved Infragistics controls for design-time and theming capabilities. Also, all controls support modern UI icons in the design time dialog.

XamDataChart – Multi-Dimensional Data (OLAP Data) Support

The OlapXAxis of the xamDataChart is specifically designed for visualizing OLAP data. It also enables you to drill-down into the data and choose an axis (columns or rows) whose values the series will be plotted.

XamGantt – new control

The XamGantt control visualizes project's tasks, relationships and dependencies between them. The main purpose of this cross platform control is to provide a user interface similar to the Microsoft Project 2010 for creating project plans, controlling the product management and displaying the project progress over time.

XamGrid – support for ICustomTypeProvider

The xamGrid control handles data that implements the ICustomTypeProvider interface. This interface enables data binding to objects where the structure is not known until run-time.

XamGeographicMap - Overview Plus Detail Pane

Now, the xamGeographicMap control provides an overview of map content using the xamOverviewPlusDetailPane control. This control shows a thumbnail of the world and provides navigation functionalities for the map control.

XamGeographicMap – New Types of Geographic Series

The xamGeographicMap control now provides the following new types of geographic series:

- GeographicScatterAreaSeries - represents a geographic series that draws a colored surface, in a geographic context, based on a triangulation of longitudinal and latitudinal data with numeric values assigned to each point.

- GeographicContourLineSeries - represents a geographic series that draws colored contour lines, in a geographic context, based on a triangulation of longitudinal and latitudinal data with numeric values assigned to each point.

- GeographicShapeControlSeries - represents a geographic series that draws shapes of geospatial data using the ShapeControl template in a geographic context. This costs some performance in rendering the geospatial series, but adds certain features unique to the Control elements, such as the VisualStateManager.

XamGeographicMap – Data Triangulation and Performance Improvements

The xamGeographicMap control now provides the TriangulationSource class for creating, loading, and saving triangulation of geographic data to ITF files and thus improving runtime performance of map rendering.

XamPivotGrid - Excel-Style Filtering

Excel-Style filtering enables users to add value and label filters in xamPivotGrid similar to those in MS Excel PivotTables. It also provides search functionality for the members in row and column hierarchies.

XamPivotGrid - Measures respecting folder paths defined on the SSAS server

Prior to the 12.2 release, the folder structure of the measures in the XamPivotDataSelector control's metadata tree did not match the one defined on the SSAS server. Now, the folder structure of the server is respected when using XmlaDataSource.

XamPivotGrid - Super-Compact Layout

The Super-Compact layout of the pivot grid is an alternative layout of the xamPivotGrid control that is designed for saving horizontal space. Instead of showing each child level of the row hierarchy in header cells placed on the right of their parent header cell (as with the Standard layout), the child-level header cells are placed either beneath or above it. In order to differentiate between levels of the hierarchy, each of them is outset to the right by a specified distance.

XamSyntaxEditor – new control

The XamSyntaxEditor is a powerful text editing control that is used to provide a code editing experience similar to Microsoft's Visual Studio code editor. It is built on top of our new syntax parsing engine which allows you to apply a set of language specific grammatical rules to highlight both language constructs as well as error information if the text does not conform to the syntax rules of the language.

Syntax Parsing Engine – new library

The syntax parsing engine is a fully functional text parser engine that can be used standalone or with editor controls like the new XamSyntaxEditor. The syntax parsing engine can take an EBNF based language and parse it into its language specific tokens, keywords, and constructs.

What's Changed

Component	Product Impact	Description
Calculation Manager	Bug Fix	Excel functions for calculating day values return #NUM! errors instead of zero for null values Notes: Fixed an issue in the Excel library where the SECOND, MINUTE, HOUR, DAY, MONTH, and YEAR functions would return #NUM! errors when given an argument with a null or zero value.
Calculation Manager	Bug Fix	Calculation Manager is not working for GroupBy records at run-time
Calculation Manager	Bug Fix	Calculation Manager does not update value in target after sorting a group by record items
Calculation Manager	Bug Fix	Calculation Manager is not working for child layout
Calculation Manager	Bug Fix	Calculation Manager cannot access inner group by record using Group name
Color Tuner	Bug Fix	Tab navigation is not working in Color Tuner
Color Tuner	Bug Fix	ColorTuner does not check OlapCharts.xaml resource file.
Common	Bug Fix	Some controls' icons have black background instead of transparent or white in VS 2010 Toolbox
Common	Bug Fix	ResourceWasher throws an error when a DependencyObject is an item in a resource dictionary being washed Notes:

			Changed the ResourceWasher to add the original items to the new washed dictionary within a try/catch for InvalidOperationException because most DependencyObject derived classes cannot be added to another ResourceDictionary.
Common		Bug Fix	Compressed source code files are missing batch file for building the projects
XamBarcode		Bug Fix	Memory leak occurs in XamQRCodeBarcode Notes: Fixed the QRCodeBarcode memory leaks.
XamColorPicker		Bug Fix	Unexpected behavior when dragging XamColorPicker on a touch screen
XamComboEditors		Bug Fix	NullReferenceException occurs when filtering datasource that contains property with null value
XamContextMenu		Bug Fix	User interaction breaks when xamNumericSlider is hosted as a menu item in xamContextMenu
XamContextMenu		Improvement	Inconsistent behavior for placement of ContextMenu between WPF and SL Notes: Improved positioning logic of the xamMenu for RightToLeft and Right-handed Tablet PC Settings
XamDataChart		Bug Fix	Crosshairs are not displayed when CrosshairVisibility is set to Visible in XAML
XamDataChart		Bug Fix	An error occurs when handling Indicator event in CustomIndicator of the xamDataChart Notes: Fixed an issue when using custom indicator could throw a null reference exception.
XamDataTree		Bug Fix	PropertyChagned event is not raised for the ActiceNode property
XamDataTree		Bug Fix	ArgumentException occurs when opening a Unpinned ContentPane with grid, with RowDefinition Height set to Auto and XamDataTree is added to that grid
XamDialogWindow		Bug Fix	Modal dialog does not prevent focus of controls that are outside of the DialogWindow via access keys Notes:

		Changed the DialogWindow in WPF to handle the AccessKeyPressed for elements within the same container but not within the XamDialogWindow.
XamDialogWindow	Bug Fix	DialogWindow opens with wrong width and height after maximizing, changing content, and re-opening Notes: Changed the xamDialogWindow to store the Width/Height when maximizing/minimizing rather than the ActualWidth/ActualHeight.
XamDockManager	Bug Fix	Names of the SplitPane and TabGroupPanes are not persisted Notes: Changed the ContainerPanePersistenceInfo to be able to store the Name of the associated ContainerPane element's Name and changed the ContainerPane's SavePane/LoadPane implementation to save and restore the Name property.
XamGeographicMap	Bug Fix	Map view of xamGeographicMap control is shifted to the right when setting WorldRect and then zooming out
XamGeographicMap	Bug Fix	GeographicShapeSeries raises duplicates of SeriesCursorMouseMove events Notes: Fixed an issue where the geographic series raised duplicates cursor move events.
XamGeographicMap	Improvement	GeographicShapeSeries with many shapes has low rendering performance Notes: Improved the performance of Shape Series for WPF version of XamGeographicMap
XamGrid	Bug Fix	NullReferenceException occurs when ItemsSource is set to null and the XamGrid gets the focus
XamGrid	Bug Fix	Summary calculations do not update when data is added, removed, or changed
XamGrid	Bug Fix	Cell value becomes null after editing TemplateColumn with a ContentControl bound to whole data.
XamGrid	Bug Fix	Memory leak occurs when using conditional formatting and then removing XamGrid from the visual tree without setting the ItemsSource to null

XamGrid	Bug Fix	NullReferenceException occurs when calling ExitEditMode in Cell/RowExitingEditMode
XamGrid	Bug Fix	Clicking on the dropdown does not open selection after first attempt
XamGrid	Bug Fix	XamGrid row enters edit mode when AllowEditing is set to Hover and RowHover is set to Cell
XamGrid	Bug Fix	FilterMemu buttons in xamGrid control are slightly cut when the Metro theme is applied and there are more than 10000 unique items
XamGrid	Bug Fix	Cannot shift the focus away from a cell that was forced to stay in edit mode
XamGrid	Bug Fix	Headers of the last row disappear when sorting a column inside a GroupColumn
XamGrid	Bug Fix	Sort indicators of the header cells are not validated when clearing the grouping using the Clear method of GroupBySettings.GroupByColumns collection
XamPivotGrid	Bug Fix	Grid do not display data when using int16 measures
XamPivotGrid	Bug Fix	Cannot drag a dimension from dimension tree using tapping touch gesture in XamPivotGrid
XamPivotGrid	Bug Fix	Expanding data from the top down does not load the data correctly
XamSchedule	Bug Fix	Schedule appointment with modified occurrence of deleted series is shown again after scrolling Notes: Fixed an issue with creation of variances of occurrences of a recurring activity and then modifying the recurrence rules of the activity or deleting the activity. In some cases the UI did not remove the variances, as it should when the root activity is either deleted or its recurrence rules are changed. The changes impact data structures that deal with management of occurrences and variances. UI related code is not impacted.
XamSchedule	Bug Fix	Schedule appointment with modified occurrence is not deleted after modifying the recurrence Notes: Fixed an issue with creation of variances of occurrences of a recurring activity and then modifying the recurrence rules of the activity or deleting the activity. In some cases the UI did not remove the variances, as it should when the root activity is either deleted or its recurrence rules are changed. The changes impact data structures that deal with management of occurrences and variances. UI related code is not impacted.

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XamSchedule	Bug Fix	Editing occurrence in schedule causes duplication of the appointment Notes: Fixed an issue with creation of variances of occurrences of a recurring activity and then modifying the recurrence rules of the activity or deleting the activity. In some cases the UI did not remove the variances, as it should when the root activity is either deleted or its recurrence rules are changed. The changes impact data structures that deal with management of occurrences and variances. UI related code is not impacted.
XamSchedule	Bug Fix	NullReferenceException occurs in Visual Studio 2010 and 2012 when ListScheduleDataConnect is on the form with CLR 4.5 installed
XamSchedule	Bug Fix	TypeInitializationException occurs when using xamSchedule in Visual Studio 2012 Notes: Refactored the code to eliminate ?: operator usages in a couple of classes because CLR4.5 introduced a known issue having to do with usage of ?: operator in a base( ) call from a constructor. This fix should have minimal side effects.
XamSlider	Bug Fix	InteractionMode "Push" and "Lock" is not working when having 3 or more thumb elements
XamSpellChecker	Bug Fix	Missing background color for a modal dialog in xamSpellChecker with applied Metro theme
XamTileManager	Bug Fix	Tiles cannot be resized when AllowTileSizing is changed from Synchronized to Individual Notes: Changed logic in XamTilemanage to ignore previously cached synchronized size after changing AllowTileSizing setting from 'Synchronized' to 'Individual'.
XamTileManager	Bug Fix	Tiles don't render correctly where there is a WindowsFormsHost with a WinForms Custom control in it. Notes: Changed logic to allow animations to work properly when a XamTile control's content includes an WindowsFormsHost. Based on the limitations of hwnd hosts we can't efficiently animate their size, e.g. when maximizing a tile, but we now animate their position smoothly and the content displays correctly.

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