developing application interfaces for

COM
.NET
ASP.NET

Infragistics™
Powering The Presentation Layer
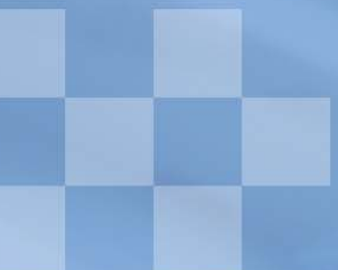
The NetAdvantage 2003 - Problem Analysis

Introducing the NetAdvantage, the only suite of presentation layer components designed to provide everything you need to create polished, robust GUIs for Microsoft environments. Whether you're developing in COM, .NET or ASP.NET, the NetAdvantage 2003 delivers the right toolset for the job, allowing you to easily create interfaces with the sophistication and usability found in today's most recognizable commercial applications – Microsoft Office, Windows and Outlook.

Developers can use the NetAdvantage 2003 to create:

- client/server applications in COM and .NET

- server-based thin client applications in ASP.NET with virtually the same rich user experience found in thick client implementation

- user interfaces connected to Web Services using XML and SOAP, for seamless application integration

Developer Needs

Developers have embraced RAD environments over the last decade. The rapid growth of Visual Basic and Visual Studio bears testament to this. Few developers writing applications in the 'real' world would think of hand-coding entire applications. And so it is with components–developers have learned to rely on commercial components to create interfaces rapidly, dependably, and cost effectively.

But today the developer is faced with additional challenges – specifically, how to cope with rapid, ever-evolving changes in technology. Today's developer must continue to finish and maintain COM projects while moving to .NET and ASP.NET for new projects, and managing migration of core projects to these new environments.

That's why we created the NetAdvantage 2003. Infragistics provides a singular, complete foundation set of components to build on; a framework of components that simplifies and facilitates the move from one environment to the next, and back again.

In the end, the developer must continue to provide the user with interfaces that are familiar and intuitive to use. In practical terms, this means providing users with the latest look and feel of Microsoft applications. Infragistics is committed to keeping in step with your needs; the NetAdvantage 2003 is designed to let you easily replicate the look and functionality of the most recent versions of Microsoft applications in every detail.
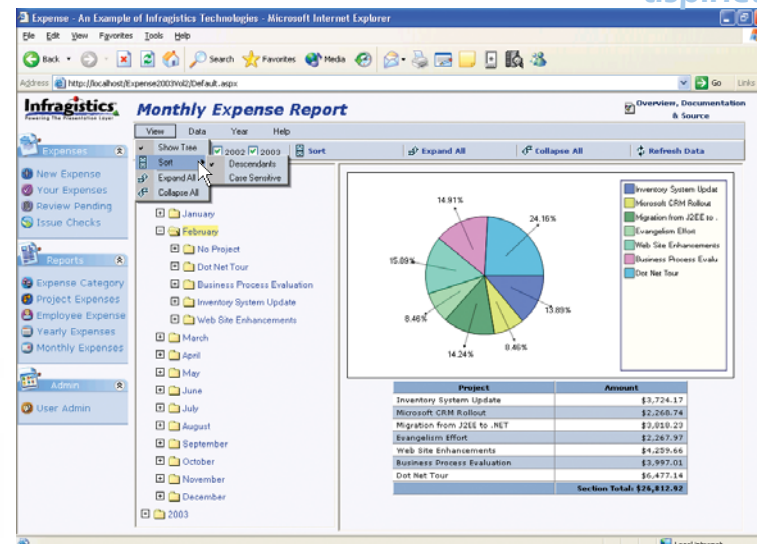
ASP.NET explorer bar in web application with ASP.NET grid, tree, chart, toolbar and menus illustrates rich appearance with thin-client delivery. This application source code is available for download on the website (Expense Application reference implementation).

Architected for Tomorrow

The NetAdvantage 2003 was architected from the ground up to deliver tomorrow's requirements as well as providing for the needs of today. We took full advantage of the power of the .NET Framework in designing our components, in fact, all of our .NET components are written in 100% fully managed C# code.

Our .NET components are built on our own exclusive Presentation Layer Framework, which takes full advantage of .NET's true object-oriented architecture. All of our .NET presentation layer components inherit from our set of shared assemblies, providing unprecedented stability, consistency and programmability. Our controls, or even just our shared assemblies, can be inherited and extended to create the GUI for your own custom components.

We've also architected the NetAdvantage 2003 for flexibility and fine, granular programmability. Our object models let you address every level of the object hierarchy; our rich event models let you code to the precise action, and our framework provides control of all drawing elements, down to the pixel level, for maximum flexibility. Keyboard, mouse and selection strategies can be customized to your specific requirements.
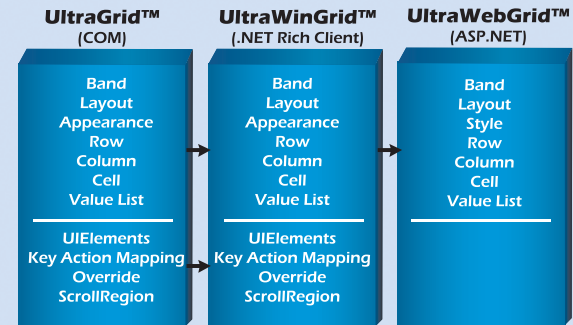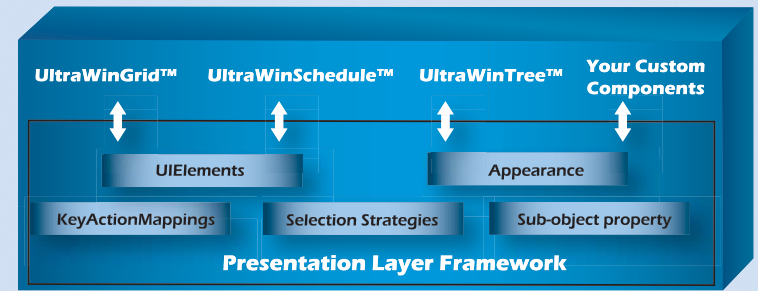
Leveraged Learning

An ongoing problem faced by developers is the need to learn each new tool, in an endless cycle. That's why we took the time in designing the NetAdvantage 2003 to minimize the learning process, providing consistent object models across control 'families', shared assemblies and conventions wherever possible.

We created the Presentation Layer Framework so components share object models, properties and methods. We took care to use consistent or logically similar naming conventions whenever applicable.

We've included easy to use RAD designers to let you see what you create as you create it. Our custom property sheets follow the familiar format of Visual Studio's.

If you've learned one of our grids, you've learned them all. Infragistics NetAdvantage 2003 allows you to leverage your experience using one of our components towards using the next, and the next. In fact, you can learn up to 60% of what you need to know for all our controls in the first control you learn.

UltraWinGrid™ UltraWinSchedule™ UltraWinTree™ **Your Custom Components**

UIElements — Appearance

KeyActionMappings — Selection Strategies — Sub-object property

Presentation Layer Framework

UltraGrid™ (COM)	UltraWinGrid™ (.NET Rich Client)	UltraWebGrid™ (ASP.NET)
Band Layout Appearance Row Column Cell Value List	Band Layout Appearance Row Column Cell Value List	Band Layout Style Row Column Cell Value List
UIElements Key Action Mapping Override ScrollRegion	UIElements Key Action Mapping Override ScrollRegion	

RowUIElements   CellUIElements

SplitterbarUIElements   CaptionUIElements

DataAreaUIElements
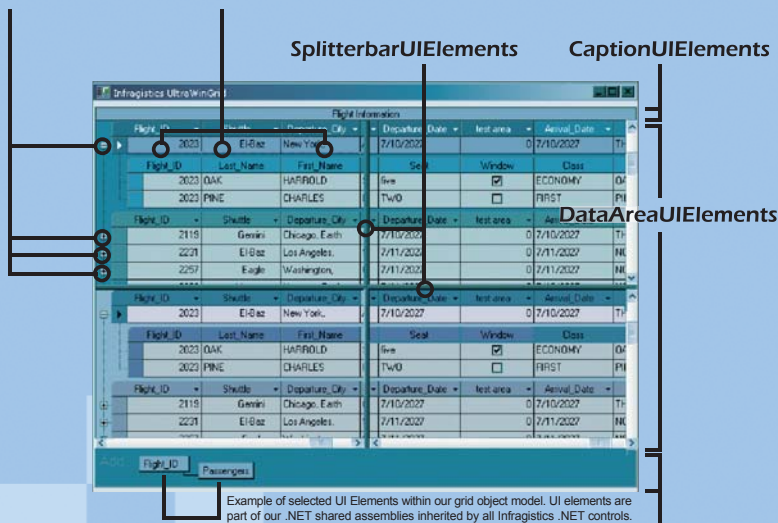
Example of selected UI Elements within our grid object model. UI elements are part of our .NET shared assemblies inherited by all Infragistics .NET controls.

ButtonUIElements   AddNewUIElements

More Than Just Products

Developers certainly need great components. But there is much more to a satisfying experience than just the features of a product. That's why the NetAdvantage 2003 comes with Infragistics' developer friendly services and polices wrapped around the product.

We provide high quality on-line help, reference implementations, a 'living' knowledge base, a personalized support portal, use case samples, and more. And we offer services designed to keep you in step with our latest releases, and to provide priority support. Our Subscription and Enterprise Editions, outlined in the back of this brochure, satisfy the needs of our most demanding clients.

And because we know you want maximum control over your projects, our Subscription and Enterprise Editions include all .NET source code for our .NET and ASP.NET suite components and designers. Owning source code provides both value and peace of mind. Whether you use it to ensure the integrity of your project, as a learning tool, or as a base to make custom changes, our .NET source code completes the NetAdvantage 2003 offering, perfectly.

..NET explorer bar in Outlook 2003-style application with tabs, grid, tree, toolbars and menus illustrates emulation of even the most recent application interfaces. This sample code is available for download on the website.

ASP.NET explorer bar in web application with ASP.NET tabs and chart illustrates rich appearance with thin-client delivery. This application source code is available for download on our website.

Putting a Face On Your Applications

It is estimated that over 30% of all development is GUI development. It is the 'face' of your applications that your users relate to, and judge your work by. Why not take advantage of the NetAdvantage 2003 to help reduce your GUI development time and effort? Incorporate our grids, charts, schedules, calendars, toolbars, Explorer/Outlook bars, trees, menus, tabs, editors, and more (over 85 controls in all) into all of your Microsoft platform application development. We can help you deliver your presentation layer development on time, and on budget. Management will be impressed, the development team will be happy, your applications will look great, and your users will feel right at home in their new GUI.

Displaying Data – Grids

Whether you choose COM, .NET or ASP.NET, Infragistics provides the most sophisticated handling and rendering of hierarchical data available, optimized for each respective environment. Pioneered with our COM grid, you'll find the same intuitive, common object model, powerful features and sophisticated visual appeal in each of our grids.

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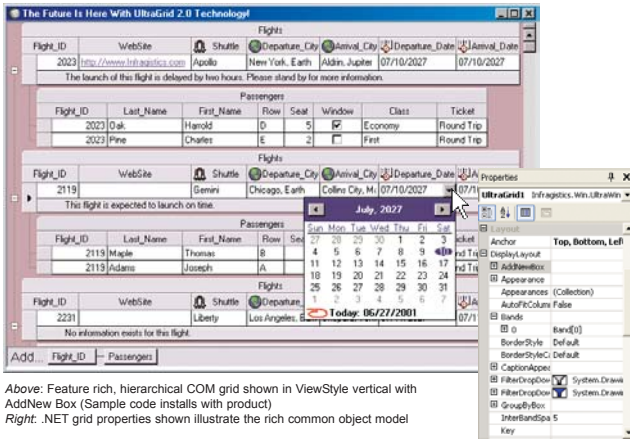
Above: Feature rich, hierarchical COM grid shown in ViewStyle vertical with AddNew Box (Sample code installs with product)
Right: .NET grid properties shown illustrate the rich common object model

COM Grid - OLE DB Optimized for Hierarchical Data

Our COM grid was built from the ground up with the intention to leverage OLE DB technology, capable of rendering any OLE DB recordset whether that data is bound, disconnected or unbound. Any recordset object, whether flat or hierarchical, will populate the grid. Additionally, the COM grid implements non-bound mode using MVC (model-viewer-control) concepts via an OLE DB recordset without any database connections.

.NET and ASP.NET Grids - .NET Data Formats

Load flat or hierarchical information into our .NET and ASP.Net grids at run- or design-time with virtually any appropriate .NET Data format available: our .NET grid accepts a DataSet, DataTable, IList, ITypedList, and IBindableList. Our ASP.NET grid will render data according to established relationships between tables in a DataSet, or bind to arbitrary data models that support the IEnumerable .NET interface. We've also provided new manual and automatic Load on Demand options to our ASP.NET grid.

Hierarchical Data - Exciting Display Choices

Our grids provide unprecedented choices for how you or your users decide to view that data. Intuitive representations of single-band (flat) or multi-band (hierarchical) data are available, and can be displayed horizontally or vertically, to best fit the screen space available. The grid can also be split into multiple scrolling regions, for even more possibilities. Our ASP.NET grid adds an exciting option to display data to users in row templates for an unprecedented user experience.

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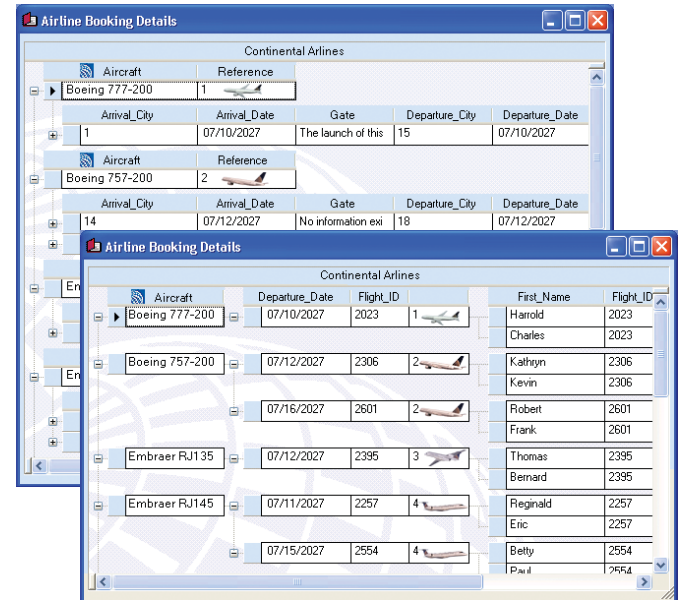
Top: Hierarchical .NET grid ViewStyle vertical (Similar sample installs with product)
Bottom: Hierarchical .NET grid ViewStyle horizontal

Right: ASP.NET grid shows Row Template open, displaying a custom form inclusive of our ASP.NET chart, with advanced tooltips!
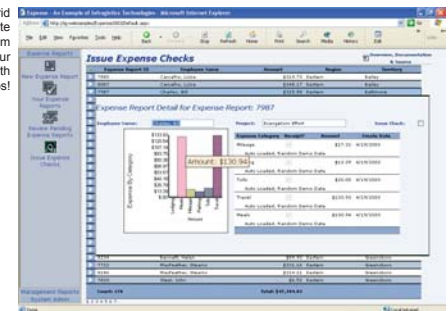
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Outlook-style GroupBy

Microsoft Outlook GroupBy is a very popular data display option provided in our .NET and ASP.NET grids. Deliver this familiar look and feel, also available with a compact rendering option to conserve precious screen real estate. Data relationships can be explored, arranged and reorganized by the selected column, in design- and run-time - simply drag and drop groups and/or columns.

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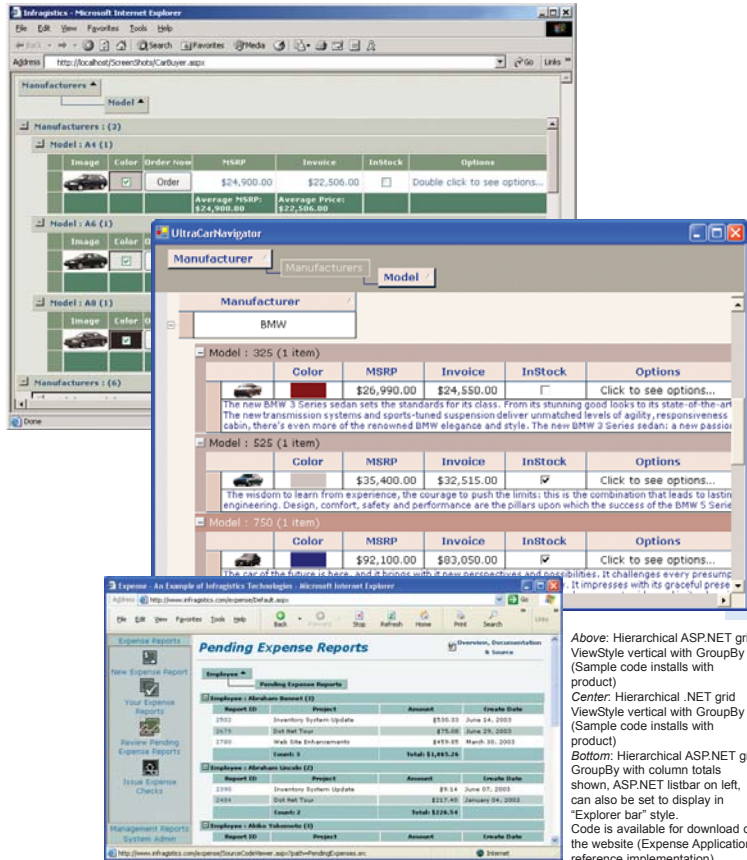
Above: Hierarchical ASP.NET grid ViewStyle vertical with GroupBy (Sample code installs with product)
Center: Hierarchical .NET grid ViewStyle vertical with GroupBy (Sample code installs with product)
Bottom: Hierarchical ASP.NET grid GroupBy with column totals shown, ASP.NET listbar on left, can also be set to display in "Explorer bar" style.
Code is available for download on the website (Expense Application reference implementation).

Card View

With its 'rolodex-like' familiarity, our .NET grid's CardView intuitively displays complex data with a friendly UI. We've built in advanced usability features such as sorting, and we've provided drag and drop labels for easy grouping and rearranging of data. These highly customizable 'cards' can be displayed per band, and include pre-built template appearances with a 'compact' option. Add professional polish to your application - customize your cards to comply with corporate standards.

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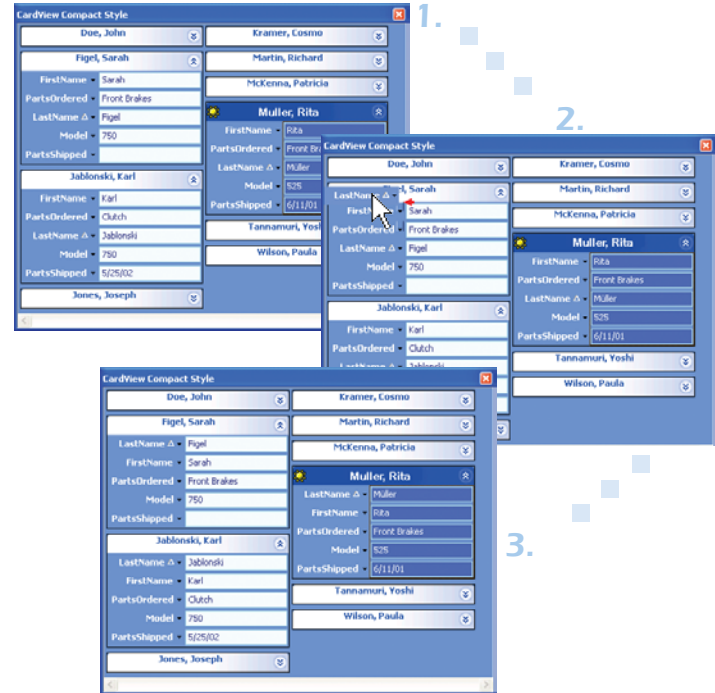

Above: Detail .NET grid CardView Compact-style, sorted by LastName
Middle: Detail illustrates user drag/drop label header "LastName"
Below: Detail label header dropped in new location, all 'cards' refresh to new label order

Rich Editing

Column Styles

Control how data is input, saved, displayed and made available for clipboard operations. Our grids provide feature-rich Column styles including Button, CheckBox, DropDown, DropDownCalendar, Edit (with or without Intelligent masking), EditButton and HTML rendering, Selectable DropDownList, Multi-Column DropDown, Hyperlink, Column templating (ASP.NET only) and more.*

Right: .NET grid CardView Compact-style, selected column styles and dropdown editors shown
Left: ASP.NET grid with selected column styles shown
*Bottom*: .NET grid with selected embeddable editors shown (All samples install with product)
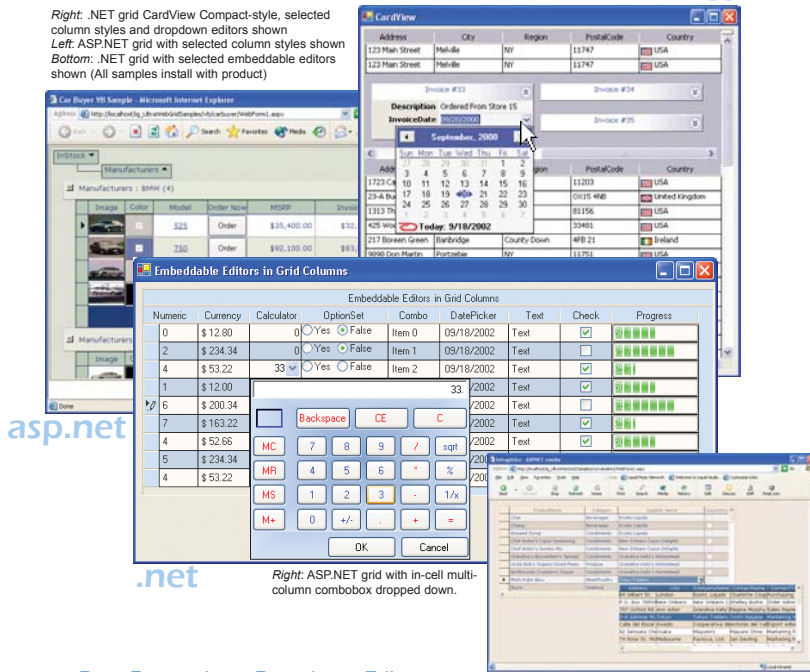
Right: ASP.NET grid with in-cell multi-column combobox dropped down.

Data Formatting - Dropdown Editors

Rich data formatting options are provided through Column or Cell formatting, Dropdown ValueLists and single/multi-column DropDown. Customizable, in-cell DropdownEditing includes Calendar, Multicolumn ComboBox, MaskedEdit, Numeric, ColorPicker, OptionSet, Currency, Calculator, ProgressBar and more.*

Rapid Application Design Features

Minimize or virtually eliminate code needed to configure the grid, using our WYSIWYG design-time property pages, advanced Wizards, contextual editors, prebuilt templates and design-time binding to data. Configure all aspects of the grid in design-time: layout, appearances, data, keyboard and selection behavior, editing and more. Load and save grid layouts for later reuse (ASP.NET grid saves to XML).
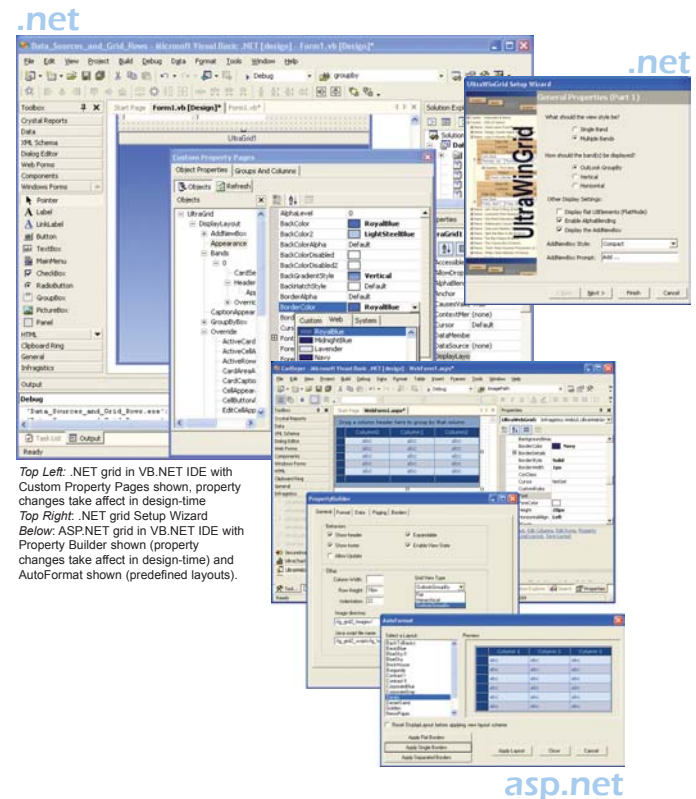
Top Left: .NET grid in VB.NET IDE with Custom Property Pages shown, property changes take affect in design-time
Top Right: .NET grid Setup Wizard
Below: ASP.NET grid in VB.NET IDE with Property Builder shown (property changes take affect in design-time) and AutoFormat shown (predefined layouts).

Objects At Every Level

Our grids provide accessibility to every object of the grid, right down to the cell object. Any global setting for appearances, behaviors, even drawing of the grid elements can be overridden at any level (right down to pixels) and at any time.

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Left: .NET grid provides rich appearance and robust user experience
Below: ASP.NET grid looks like Access 2000. User interaction is possible through both Javascript APIs on the client, or through server-side events

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Rich Event Models

Any grid, even our ASP.NET grid, provides rich-client look and feel

Our COM grid and .NET grid feature an extensive client-side event model for incredibly rich UI experience. We've achieved much of the same rich-client look and feel with our server-side ASP.NET grid, but with thin client delivery. Our ASP.NET grid provides a robust server-side event model, or optionally choose to handle events and grid modifications on the client using client-side Javascript APIs. A incredible range of events can be handled within the browser without server post-backs, including common events such as column header click, cell click, keydown, and specialized events such as column moving, sorting and footer updating.

Optimized for Web Technologies

Our ASP.NET grid was designed to display and manage data over the web, a task previously relegated to client-side controls and applications. However, the data, formatting and style information must travel from server to browser, which can affect performance. To offset bandwidth and performance issues, our ASP.NET grid provides features to minimize the client/server round-tripping of information, including fine developer control over how much state information to manage in ViewStates, the ability turn off ViewStates entirely, and methods to manage data display such as Navigation and Paging mechanisms. We've also provided new manual and automatic Load on Demand options to our ASP.NET grid to provide even more control over when and how much data must be sent from server to client machine.

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Above: Hierarchical ASP.NET grid (with Outlook GroupBy) in web application with ASP.NET listbar, tree, tabs, toolbar and menus illustrates rich appearance with thin client delivery.

Right: Hierarchical ASP.NET grid in a web application with ASP.NET explorer bar, tabs and chart, illustrates rich appearance with thin client delivery. Code is available for download on the website.

Data Organization and Navigation

Infragistics strives to provide all of the latest looks and navigation metaphors from the most recent Microsoft offerings, often those Microsoft has not yet shipped. We offer a wide range of components to provide your users with popular navigation metaphors, for user-friendly applications that are familiar, intuitive and easy to navigate.

Trees

Infragistics offers trees for COM, .NET and ASP.NET, for optimal visual communication and organization of hierarchical data. Our graphically luxuriant, feature-rich trees offer alternative methods of fetching and organizing data that lets you populate each tree for optimal performance under each specific circumstance.
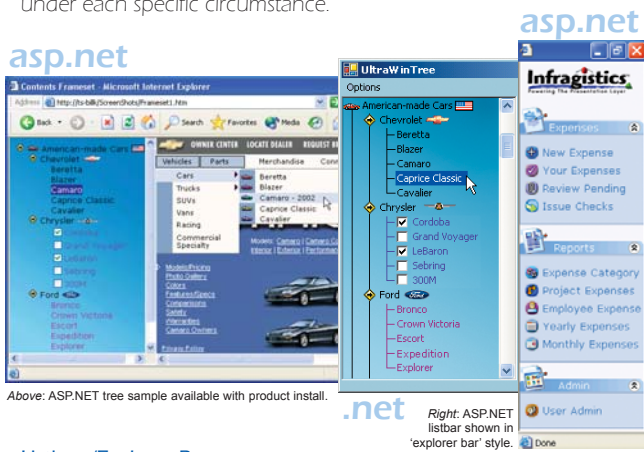
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Above: ASP.NET tree sample available with product install.

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Right: ASP.NET listbar shown in 'explorer bar' style.

Listbars/Explorer Bars

Infragistics provides listbars for COM, .NET and ASP.NET, and now also features the new .NET explorer bar (similar to Windows XP explorer bar), and our ASP.NET listbar now features an exciting and convenient new explorer bar style property. Use the listbars to group icons, and use the explorer bars to group virtually any like functions. Create applications that recreate the style of Outlook, Windows XP, and even the latest - Microsoft Office 2003.
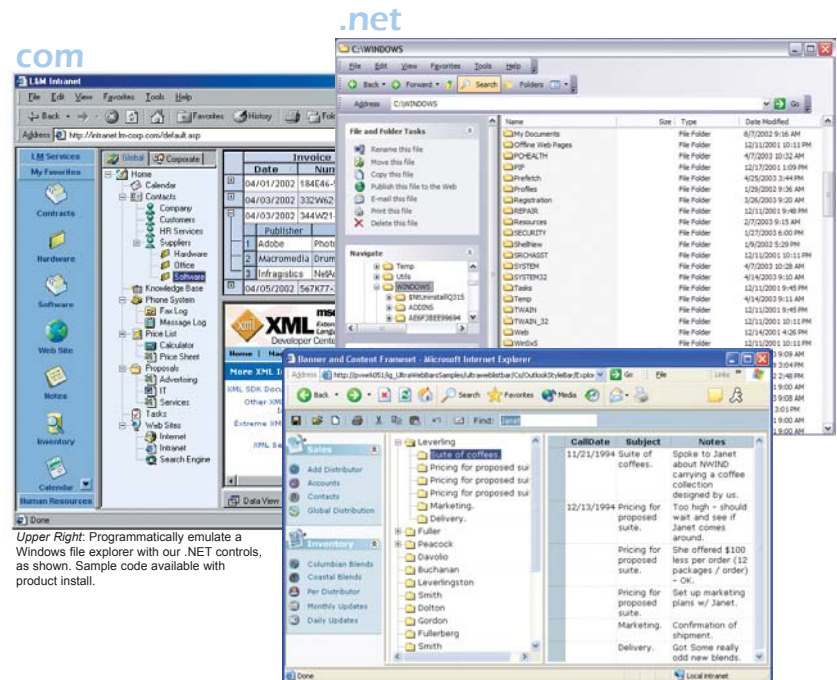
Tabs

Infragistics offers the familiar tabbed interface in all three environments - .NET, ASP.NET, and COM. Versatile and fast, users can easily switch from tab to tab, and you can create and customize them in a snap. A wide variety of tab styles are supplied. Additionally, we offer a data-bindable .NET tab strip, with all the features of the .NET tab, except that it does not create a tab page, allowing the developer to programmatically control the initialization of the tab area through events.

Explorer UI

Infragistics' COM explorer adds familiar navigation, organization and versatility to your applications, with the look and feel of the Microsoft Windows Explorer. A versatile combination of objects (treeview, tabs, toolbar and display panes), the right pane(s) can host web browsers, activeX controls, display Microsoft Office documents, forms, listviews, images and more, based on the node clicked in the tree. The OLE DB bindable explorer comes with an integratable Outlook-style listbar control, so you can combine trees, listviews, web browsers, tabs, menus, groups and items in endless combinations of Outlook-style COM interfaces.

Additionally, we provide the ability to emulate an explorer with our ASP.NET controls, bringing this common metaphor easily to your web applications. Our ASP.NET listbar, toolbar and tree can quickly and easily create this interface.

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Upper Right: Programmatically emulate a Windows file explorer with our .NET controls, as shown. Sample code available with product install.

Above: Programmatically emulate an explorer interface within a web browser with our ASP.NET controls, as shown. ASP.NET sample available with product install

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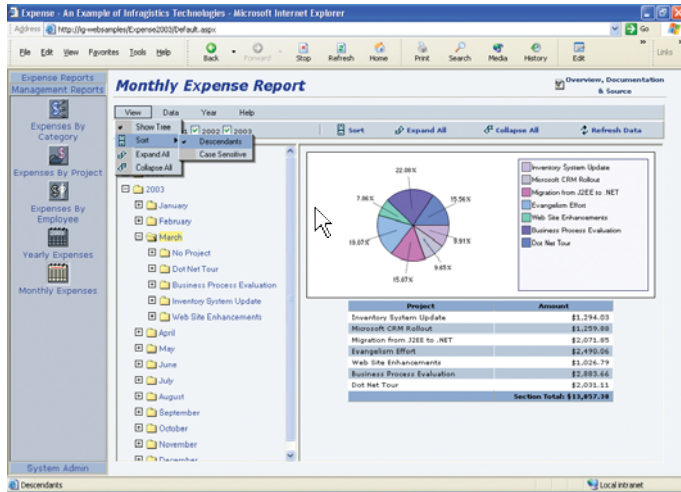
ASP.NET Expense Application reference implementation source code is available for download on the website.

Web Navigation

ASP.NET Menus, Trees, Toolbar, Listbar/Explorer Bar and Tab Control

Web navigation is what our feature-rich ASP.Net menus and trees are all about - designed specifically for browser-based applications with even the most demanding specifications. With XP look and feel built in, these server-side controls include a client-side object model, Javascript APIs, and events for performance on par with any client-side tree control. Our ASP.NET tree and ASP.NET menu can dynamically load rapidly changing, hierarchical information, for accurate display of up-to-the-minute data. The data rendering maintains a consistent format, governed by predefined styles and attributes from an XML persistence file. Our ASP.NET tree and ASP.NET menu can be populated through several standard .NET methods, including DataSet, IList or ICollection objects.

Combine Our ASP.NET tree and/or ASP.NET menu with our ASP.NET tabs, ASP.NET listbar/explorer bar, and ASP.NET toolbars to create a full featured Outlook-style UI over the web. These server-side controls provide rich client-side look and feel, and are the perfect choice for integrating with today's Web Services.

RAD Designer for Web Trees and Menus

Our exclusive NavStudio (included with our ASP.NET tree and menu control) provides a simple, easy to use designer to visually create sophisticated menu and tree hierarchies, eye-popping navigation systems and outlines without writing code. It can be used by webmasters and non-programmers, because it can be used outside of the Visual Studio IDE entirely. This designer generates the HTML code when you are ready, and you can preview the tree or menu in the built-in browser preview window. A whole host of pre-defined, professional templates are available, or choose to save your own custom-built template for later re-use. Even if you are a programmer, let our ExportToHTML feature jump-start your navigation needs, so you can concentrate on the rest of your web site.
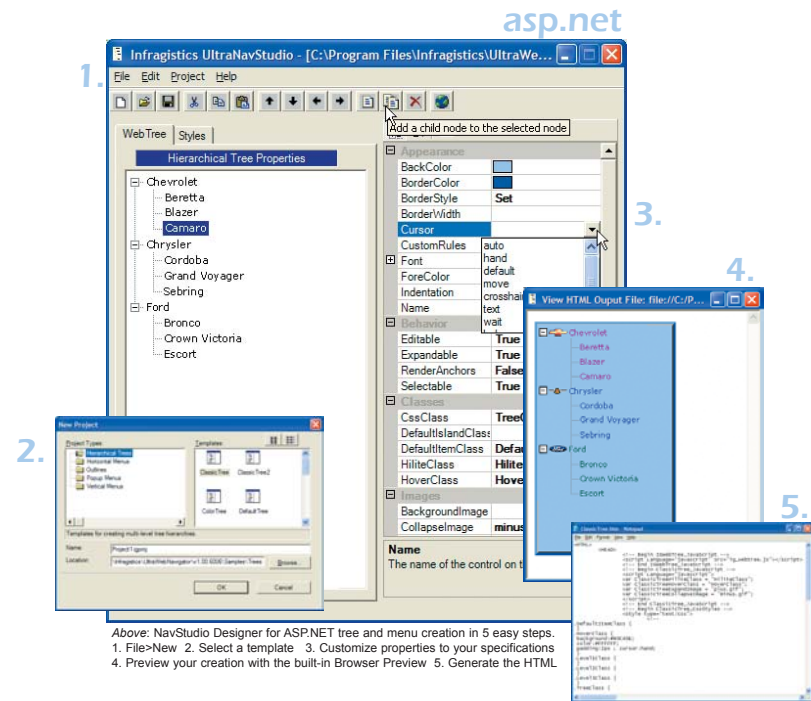
Above: NavStudio Designer for ASP.NET tree and menu creation in 5 easy steps.
1. File>New 2. Select a template   3. Customize properties to your specifications
4. Preview your creation with the built-in Browser Preview 5. Generate the HTML

* Features may vary between our COM, .NET and ASP.NET controls. See API documentation for specific availability.

Microsoft-style Applications

Infragistics toolbars, menus, explorer bar, tabs and more deliver the familiar look and feel of Microsoft's XP and 2000 look and feel, for COM, .NET or ASP.NET, with complete control over customization.

Menus

Our menus present advanced features: menu animation like sliding, fading, unfolding and tearaway menus. Our .NET menus include run-time customization and personalization (like Microsoft Word), controls hosted in menus, WYSIWYG designers and much more.
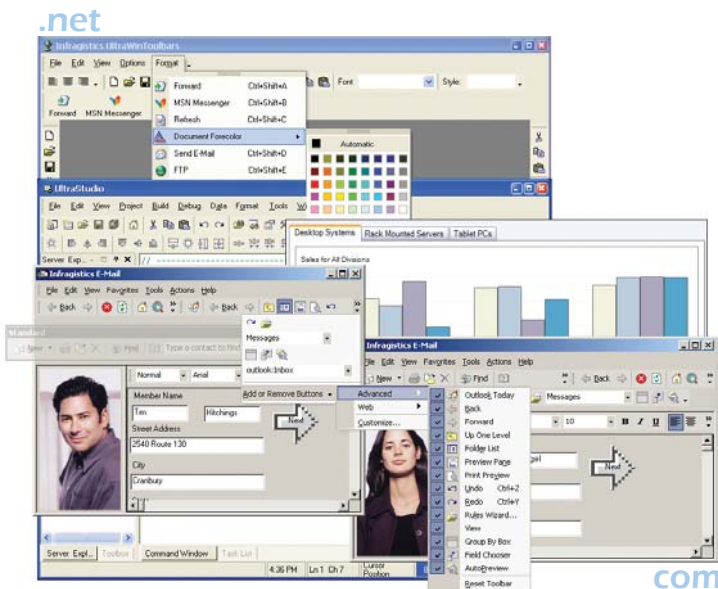

Above: .NET and COM menus montage show screens taken from a variety of actual samples installed with the products

Toolbars, Tabs and More

Infragistics toolbars provide essential UI look and functionality for any presentation layer application, with incredibly robust features, such as dragging and floating toolbars, and a wide range of tool types provided for every essential need.

Our feature-packed .NET toolbars allow any .NET control on a toolbar, menu or popped up anywhere on the desktop. Toolbars can be added to an MDI or SDI form as well as any container control, using the Toolbars Manager component. We provide many familiar functions, such as dragging, floating, docking and customizing toolbars in both design- and run-time.
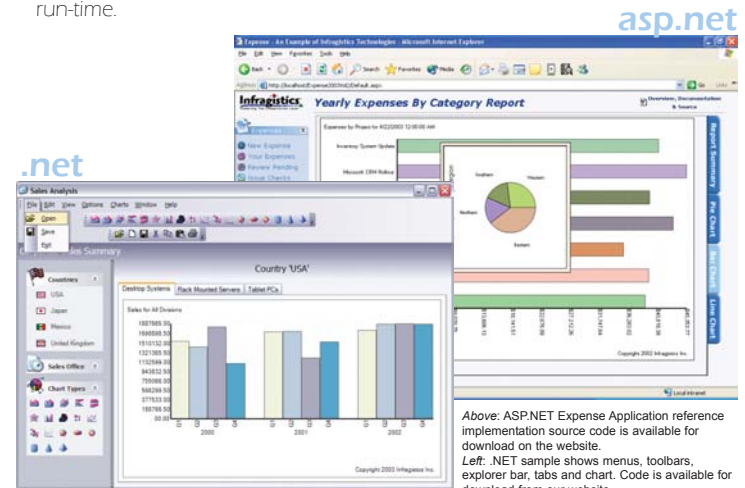
Above: ASP.NET Expense Application reference implementation source code is available for download on the website.
Left: .NET sample shows menus, toolbars, explorer bar, tabs and chart. Code is available for download from our website.

.NET Dockable Windows

Infragistics provides uniquely easy to use .NET Docking Manager and a Tabbed MDI Manager, providing Visual Studio.NET-style docking and floating of any control, and a tabbed style interface (similar to Visual Studio.NET) for managing MDI child forms. Create and arrange your own dockable views and forms dynamically or visually at design-time, with WYSIWYG nested groups, contextual custom property tabs, load and save layouts, and more.

Explorer Bars/Listbars

Bring Microsoft's newest UI features to your .NET or ASP.NET applications, with Infragistics' XP-style explorer bar for .NET, or with the ASP.NET listbar using the convenient XP-style explorer bar property setting. Each bar expands and collapses on click, with single or multiple groups expanded simultaneously, and auto-scrolling when needed. Or use the Outlook 2000-style listbar with the familiar slider groups metaphor.

Office XP, 2000, or 2003 Look and Feel

Easily switch between Office XP, 2000 or 2003 look, feel, and behaviors with one property. Advanced XP features, possible on systems where transparency is supported, include toolbar floating and "fading" into the background when unused for a specified length of time. XP inbox themes are automatically supported in all of our .NET controls through the underlying Presentation Layer Framework of shared assemblies.
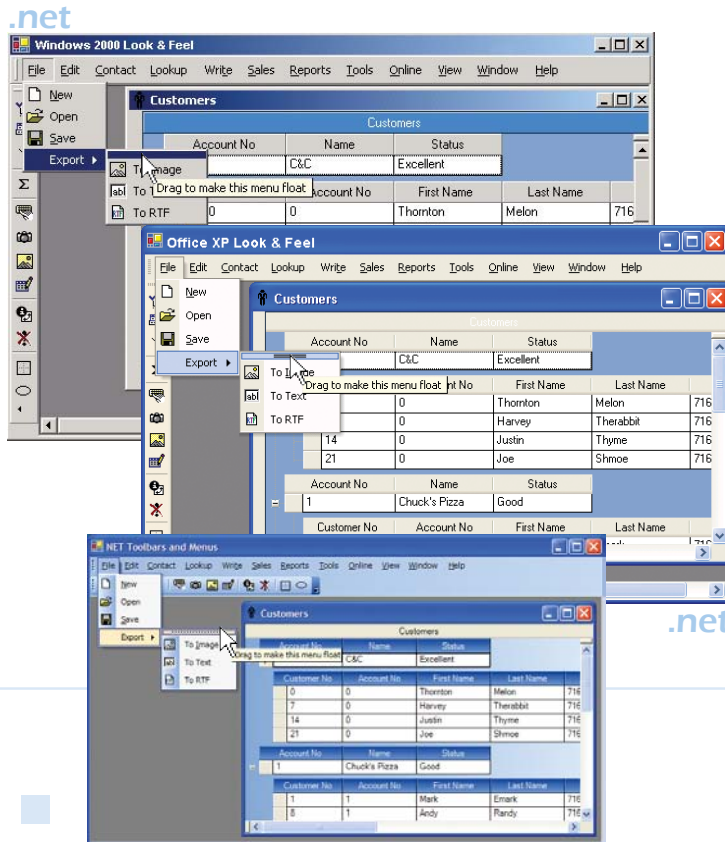
Top: .NET menu, toolbars and grid reflect Office 2000 look and feel
Middle: .NET menu, toolbars and grid reflect Office XP look and feel
Bottom: .NET menu, toolbars and grid reflect Office 2003 look and feel

Design-time Conveniences

Our incredible RAD designers provide many intuitive and time-saving conveniences, such as design-time drag and drop setup of toolbars and tools, WYSIWYG control docking, floating and repositioning, and integrated VB.NET/C# code generation for click event processing. Additionally, save/load configurations to/from binary or XML (SOAP) streams.*
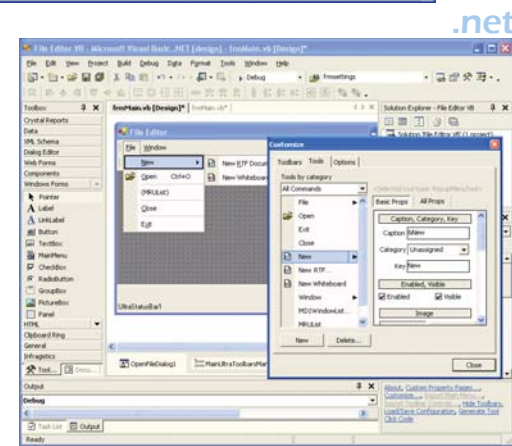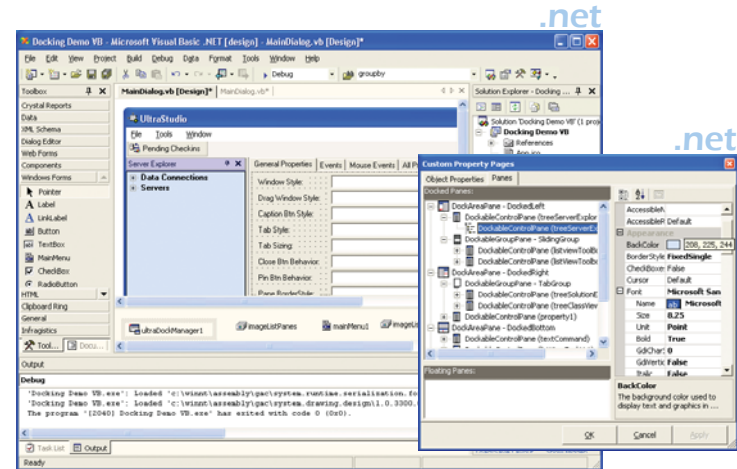
Top: .NET dock manager (shown in VB.NET IDE) design-time setup of window views
Bottom: .NET menus and toolbars design- and run-time customizer
Both samples install with product

* Features may vary between our COM, .NET and ASP.NET controls. See API documentation for specific availability.

Charting - Visual Data Display

Stunning Graphics

Present quantitative and categorical information visually and with unprecedented ease. Making your charted data visibly superior is effortless with the many built-in aesthetics provided in Infragistics .NET charting components. Take advantage of anti-aliasing, transparency, advanced color model, and more. Additionally, our RAD designers provide unprecedented convenience and include advanced UI property editors, WYSIWYG chart configuration with context-appropriate properties listed specific to the chart type selected, and design-time binding to a DataSet.

Versatile Chart Types

All major 2D/3D chart types are available including Bar, Column, Line, Area, Pie, Scatter, Bubble, HeatMap, Candle, HiLow, and OpenClose Financial. All charts are fully customizable and extensible, and provide seamless integration with .NET data sources and containers. Populate your chart from a database or array using the DataSource property. Manually exclude/include columns and rows for chart rendering.

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Above: .NET chart properties palette (shown in VB.NET IDE) with dropdown editors
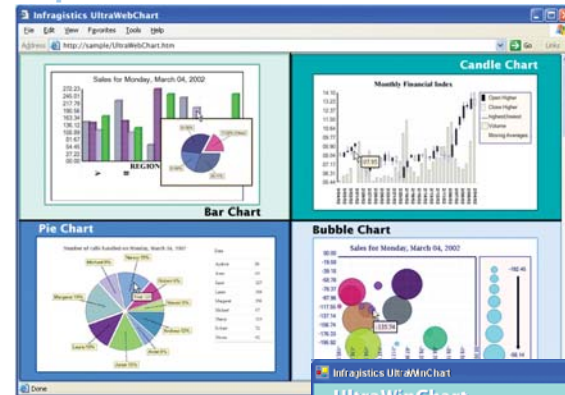
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ASP.NET charts (*above*) and .NET charts (*below*) show selected chart types, custom tooltips, legends, labels and more.

One Charting Engine

The heart of Infragistics .NET and ASP.NET charts is a set of core classes, providing common logic and functionality to both charts. This architecture provides leveraged learning and reusable code when porting a .NET Windows application 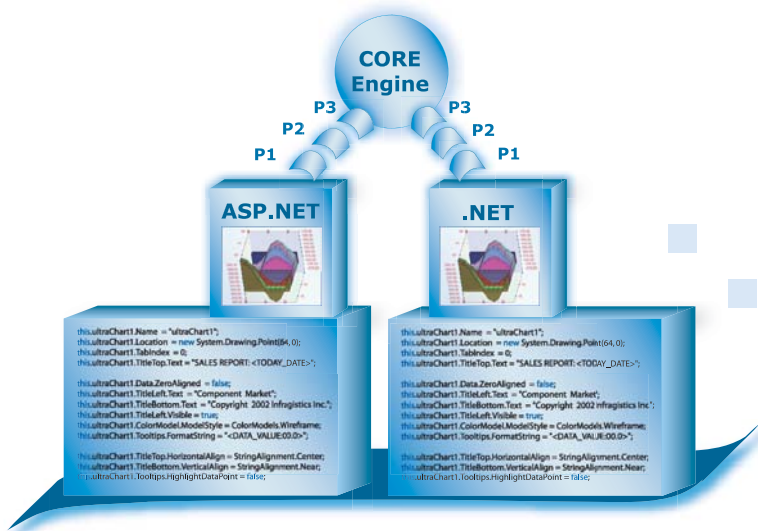to ASP.NET or vice versa. A large portion of the chart code can simply be copied and pasted right into the new application.

Advanced Security

Our ASP.NET chart provides a unique way of delivering chart images securely on the web. Using tokens, our exclusive, non-visual component, SecureImagePipe™, provides ASP.NET session-based security for protecting rendered chart data, making any and all sensitive charts secure. SecureImagePipe offers a security-neutral component that enables it to execute using whichever permissions it receives, in this case, ASP.NET security. Because everything is handled in the session, our ASP.NET chart does not have to persist state or save an image on the server.

Interaction

Both .NET and ASP.NET charts provide the rich look and feel of a client-side control. The .NET chart features automatic highlighting of charted items on mouse events, and a rich set of seamlessly integrated events track the user's interaction with the chart data.

Our ASP.NET chart was designed to deliver virtually the same rich client-side experience with thin client delivery. A rich set of seamlessly integrated server-side events are provided to monitor the user's interaction with the chart data. Additionally, our ASP.NET chart provides JavaScript client-side events for chart data items. Our exclusive ActiveImages™ generates the scripts needed for client and server-side event delegation, seamlessly and accurately.
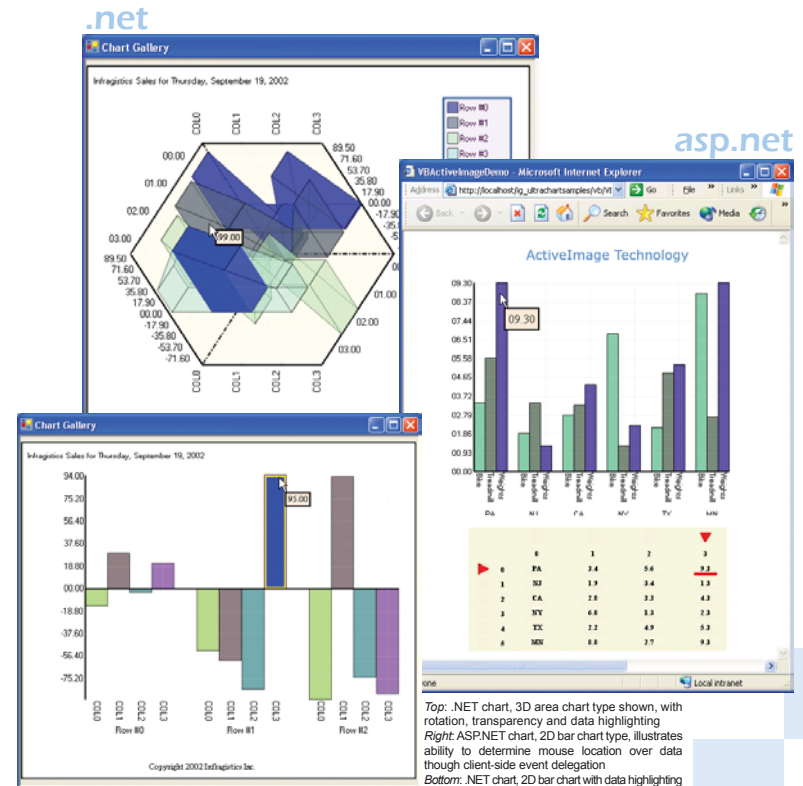
Top: .NET chart, 3D area chart type shown, with rotation, transparency and data highlighting
Right: ASP.NET chart, 2D bar chart type, illustrates ability to determine mouse location over data though client-side event delegation
Bottom: .NET chart, 2D bar chart with data highlighting

* Features may vary between our COM, .NET and ASP.NET controls. See API documentation for specific availability.

Scheduling and Calendaring

Feature-Rich Functionality

Deliver the look and feel of Microsoft's Outlook with Infragistics synchronizable calendaring and scheduling components. Our dayviews, weekviews and versatile calendars provide the functionality needed for any personal information management application or commercial scheduling application, with the same professional polish and rich functionality your users expect. We provide comprehensive selection strategies, flexible display options, robust event models for every action necessary, and fine granular control over every object.

Above: COM scheduling controls show dayview, weekview, dropdown calendar and monthview calendar
Right: Emulate Outlook-style applications using the .NET scheduling controls (weekview, multimonth) and toolbars, menus, explorer bar and grid (as taskpad).

Both samples shown install with the product

Synchronized Modules

Our .NET scheduling and calendaring features a unique duo of non-visual components which serve as a centralized repository of information, providing automatic synchronization of stored information across all of our .NET scheduling/calendaring controls. Shared information includes appearance and change notifications, as well as common holidays, appointments, notes and more.

Above: Data in .NET scheduling controls is synchronized using .NET CalendarInfo non-visual component
Left: Appearances in .NET scheduling controls can be synchronized using .NET CalendarLook non-visual component

Robust and Versatile Appointments

Allow your users to add, resize, copy or edit appointments visually, and easily access that appointment object to respond appropriately to user actions. Use our built-in appointment dialog to add or edit an appointment, or override it and use your own custom dialog. Add images, alarms and actions to appointments for exciting interactive appeal.
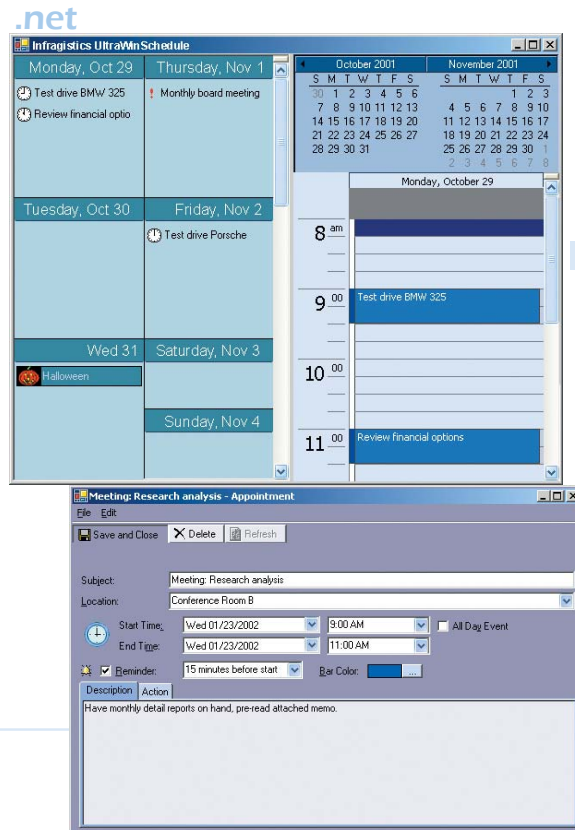
Top: .NET scheduling controls appointments with images, alarms and more.
Bottom: .NET built-in appointment dialog box with dropdown editors

Emulate Microsoft's Outlook

Our .NET scheduling was designed with Microsoft's Outlook in mind. Our features mimic many of your user's expectations in a scheduling application. Integrate our other .NET controls with our .NET scheduling and the possibilities are virtually unlimited.
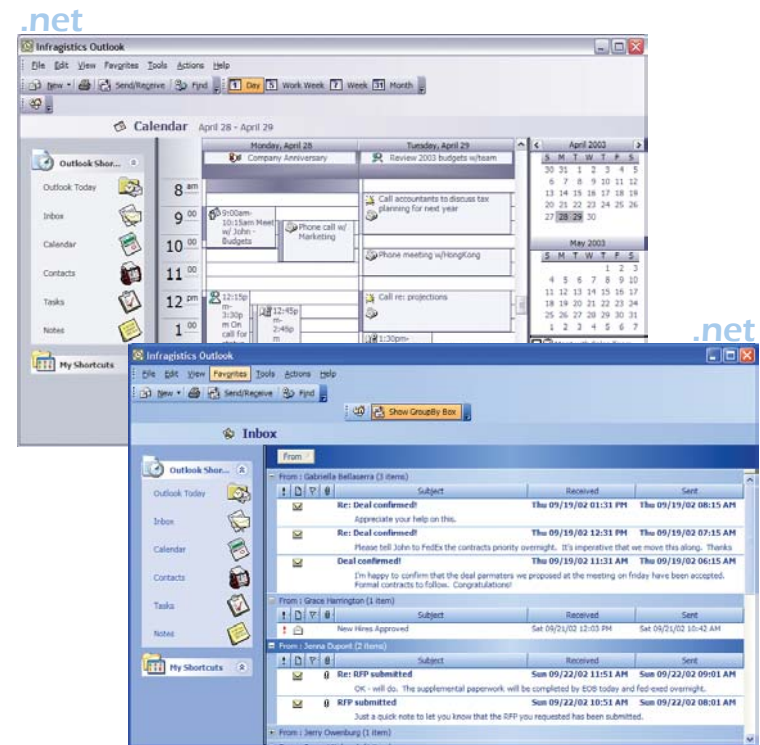
Top: .NET scheduling controls combined with .NET Listbar to create this OutlookXP-style application interface.
Bottom: .NET explorer bar, toolbars and menus combined with .NET grid emulates user's Inbox view in Outlook 2003. This sample installs with the product.

Features may vary between our COM, .NET and ASP.NET controls. See API documentation for specific availability.
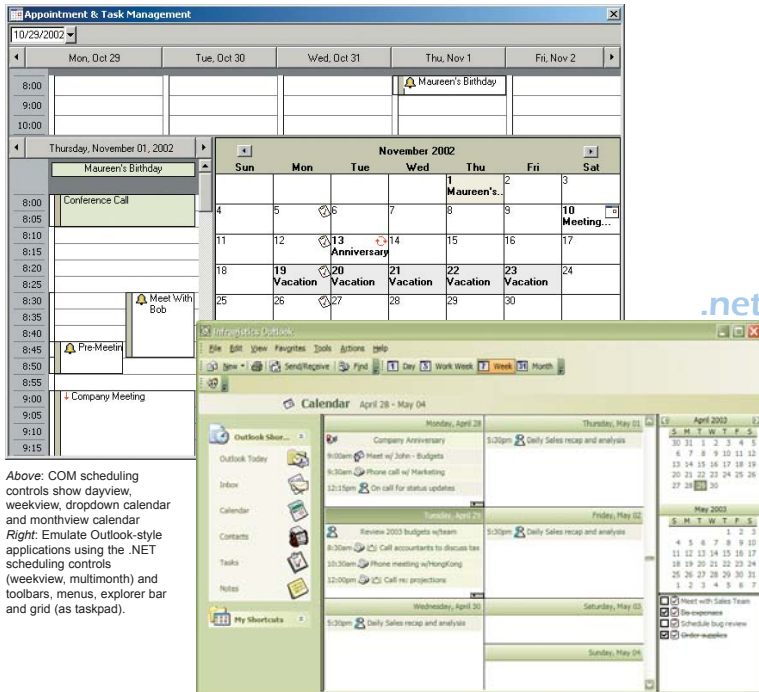
com

DropdownControls

Our OLE DB COM comboBox, .NET combo and ASP.NET dropdown combo can display a single- or muti-column selectable list populated from the appropriate native recordset or data set provided. Use these controls as standalones or within a grid or toolbar. These controls may be bound or unbound, editable or non-editable, support images, checkboxes, sorting and more.

Date/Time editing can optionally display a dropdown calendar to effectively edit the user selection in a visually familiar manner. With support for localization, a wide selection of styles are available in this control which can be free-standing or used within a grid or toolbar.

Embeddable Editors

Infragistics offers exciting and versatile embeddable editors for .NET, which can also be used as freestanding controls. All are built on our Presentation Layer Framework and can be extended and customized. Dropdown editors, such as the Calculator and Calendar, are complete with dropdown events. All embedded editors feature event listening for standard KeyPress events. A variety of advanced features are built in, where applicable.

Editing Components

Infragistics editing components provide incredible value and time savings to the application developer. Each control is tailored to specialize in an editing function, but is also customizable for fine tuning to your specific needs. We provide feature rich dropdown controls for editing, available to use as standalone controls or within our grid or toolbar controls (where applicable). Data bound and unbound single- and multi-column combos and listboxes, image/color combos, masked edit controls, date/time editing, currency, numeric, and text editors can complete your application. Our new ASP.NET multi-column dropdown combo control can be used independently in a web page or within our ASP.NET grid cells.
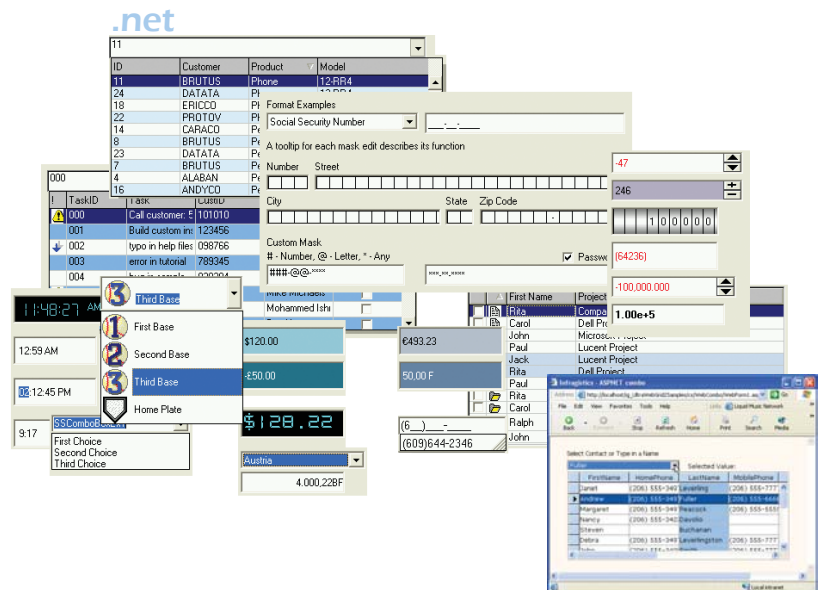
.net

asp.net

UI and Utility Components

To add the finishing touches to your integrated application solution we've included many additional fundamentally important components for a variety of UI and functional purposes, as well as providing exciting, interactive visual features. Infragistics provides the freedom to be creative, delivering exciting graphical features with the look and feel of today's hottest environments: Microsoft Office, PowerPoint, and more.

We've included a scrollbar, progressbar, statusbar, a splash control, transition control, splitters, checkboxes, optionsets, buttons, frame, panel, a button/tool image generator, resizer, screenprinter, property browser, font selectors, and much more.

Features may vary between our COM, .NET and ASP.NET controls. See API documentation for specific availability.

Functionality	What is installed
Grid	**Control**
COM . . . . .UltraGrid™	
.NET . . . . .UltraWinGrid™	
ASP.NET . . . . .UltraWebGrid™	
Charting	**Control**
.NET . . . . .UltraWinChart™	
ASP.NET . . . . .UltraWebChart™	
Toolbars	**Control**
COM . . . . .UltraToolBars™	
.NET . . . . .UltraWinToolbars™	
ASP.NET . . . . .UltraWebBars™	
Navigation	**Control**
Trees	
COM . . . . .ActiveTreeView™	
.NET . . . . .UltraWinTree™	
ASP.NET . . . . .UltraWebNavigator™	
Menus	
COM . . . . .UltraToolBars™	
.NET . . . . .UltraWinToolbars™	
ASP.NET . . . . .UltraWebNavigator™	
Listbars	
COM . . . . .DataExplorer™	
.NET . . . . .UltraWinListbar™	
ASP.NET . . . . .UltraWebBars™	
Explorer Bars	
.NET . . . . .UltraWinExplorerBar™	
ASP.NET . . . . .UltraWebBars™	
Tabs	
COM . . . . .UltraToolbars™	
.NET . . . . .UltraWinToolbars™	
ASP.NET . . . . .UltraWebBars™	
Scheduling	**Control**
COM . . . . .ScheduleX™	
.NET . . . . .UltraWinSchedule™	
Explorer UI	**Control**
COM . . . . .Data Explorer™	
Editors	**Control**
COM . . . . .NetAdvantage™ 2003 (Misc. COM controls)	
.NET . . . . .NetAdvantage™ 2003 (Framework)	
Dockable Windows	**Control**
.NET . . . . .UltraWinToolbars™	

All listings above are included within the NetAdvantage 2003 install. If you select an individual product download to install, please refer to this listing to ensure you install the appropriate tools. All COM products included within the NetAdvantage 2003 install will be found within a subfolder named "UltraSuite™".

COM	Selected Features
Grid	
Grid	• OLE DB optimized true hierarchical grid
	• Advanced bound/non-bound modes
	• Programmable objects, granular control to the pixel level
	• Intuitive custom property pages, layout/setup wizards
	• Robust range of column-styles and in-cell editing
	• Printing and Print Preview methods, Save and load layouts
	• Owner-controlled data values at cell level, (loading and updating)
	• Font, image and color control over every display element
Toolbars	
Toolbar	• Microsoft Office 97, 2000 or XP application emulation
	• ActiveHighlighting, floating fading*, dockable, flyout toolbars
	• RAD Designer renders control in design-time
	• Auto image editor and renderer, included toolbar library
	• Save and restore complete toolbar configurations
Navigation	
Listbar	• Outlook-style application UI, lightweight ATL
	• Menus, Groups, Items, Tabs and optional display pane
	• Supports colors, images and sounds
	• COM explorer integration
Tree	• Rich graphical tree control supports pictures, fonts, colors, sounds
	• Virtual and Semi-virtual mode, ToolTips, ScrollBarTips, LineTips
	• Node sorting, editing, disabling, drag and drop support
	• Multiple node selection, multiple node images
Menu	• Office 97, 2000 or XP Emulation
	• ActiveHightlighting closely mimic Office XP formulas
	• Dropdown menu shadowing, fading*, docking, tearaway menus
	• Menus in design-time can display as they will at run-time
	• Animated menus like Office 2000/XP - sliding, unfolding, etc.
	• Save/restore configurations and layouts
Tab	• Superior performance — fast and robust tab control
	• Default design-time tab - easily add controls to all tabs
	• Design-time and run-time adding and/or removal of tabs
	• Includes a lightweight container to efficiently host controls
	• Internal/external imagelist support
Explorer UI	
Explorer	• Windows Explorer-style application UI/Microsoft Outlook-style UI
	• Visual binding to OLE DB/ADO updatable hierarchical recordsets
	• Advanced OLE drag/drop, Supports colors, images, sounds, etc
	• Treeview, Listview, built-in viewer pane
	• Built-in Toolbar, also integratable with our COM listbar
Listbar	• Outlook-style application UI, lightweight ATL
	• Menus, Groups, Items, Tabs and display pane
	• Supports colors, images and sounds

*Requires the use of 'window layering' which is an OS specific feature, currently only available on Windows 2000 and higher. Operating systems that do not support layered windows will gracefully degrade following Office XP's lead and show non-alpha blended 'gray' shadows.

COM	Selected Features
Calendar/Schedule	
Calendar	• 1,3,6 month Calendar, Load/Save from/to iCalendar format
	• Multi-line text, multi-selection, specify fonts, colors and images, etc.
Dayview	• Single day display for robust appointments with optional alarms
	• Built-in, cancelable default appointment dialog
	• Customizable time range and increment display
Weekview	• 5 or 7 days displayed, built-in start day chooser
Taskpad	• Fully configurable task status list, include Outlook task fields
	• Set fonts, colors and image displays for task status
Date editor	• Over 15 date display styles including long date
	• Free form entry, hidden display time-stamping
Time editor	• Choose from many display styles from flat or 3D, etc.
	• Show/hide AM/PM, and show/hide seconds
Dropdown Calendar	• Customizable display of single or multi-month calendar dropdown
	• Customizable Days of Week, Months, internationalization
Editors	
Multi-column combobox	• OLE DB bindable multi-column list
	• Bound or unbound, editable and non-editable
Single-column combobox	• OLE DB bindable, choose from 9 styles, dropdown images/times
	• Search/display previously entered items, masking
Listbox	• OLEDB bindable listbox is search and sort enabled
Masked editor	• Edit text strings according to a predefined format
Dropdown editor	• OLE DB binding. IE5-style URL edit box, Search previous input
Date editor	• See our COM Date editor under Calendar/Scheduling above
Time editor	• See our COM Time editor under Calendar/Scheduling above
Currency editor	• Over 25 international currency types, custom separators
	• Hide/show decimals and number of decimal displayed
Numeric editor	• Spin buttons to quickly modify integers, e-power, scientific notation.
	• Max/min limits, specify the number of decimal digits
GUI controls	
Color combo	• Display colors and optional descriptive text
Font selector	• Display all font families and point sizes available
Image combo	• Display a selection of images and descriptive text
Dial	• Customizable scrolling control looks similar to a stereo dial
Line3D	• Many styles, 3D effects, orientations, widths and colors
Marquee	• Display text and images in a scrolling view
Multibutton	• Present the user with options for scrolling a region
Picture	• Display bitmaps, icons and metafiles, hotspot capabilities
Progress bar	• Display task completion status
Property browser	• Browse properties (or information in general)
Screen printer	• Add screen printing capabilities, optional print preview
Shape3D	• Geometric shapes, a selection of colors and 3D effects
Text3D	• Developer-controlled 3D text display

COM	Selected Features
Hot link control	• Launch URL, email or application. Simple databinding
Spin	• OLE DB binding. Display spin control
Resizer	• Dynamically resize and reposition controls
Scroll	• Scroll functionality for design and run-time
Splash	• Forms and controls adopt virtually any shape imaginable
Transition	• Provides 37 PowerPoint®-style transitions
Splitter	• Place an entire form within a pane
Option	• Data-bound option buttons
Command	• Support for non-rectangular, irregular shaped buttons
Check, frame, panel, ribbon	• Provide animation and control of animation sequences • Automatic disabled image generation

(GUI controls (cont.))

ASP.NET	Selected Features
Grid	• Database bound and unbound modes in design- or run-time • RAD Designers, design-time binding, predefined layouts, Load & Save • Row Templates allow custom dropdown forms from selected row • Hierarchical Outlook-style GroupBy, single/multi-column sorting • Optimized for the web, customizable management of ViewStates • Load on Demand, Navigation & Paging for bandwidth efficiency • Provides similar look, feel and behavior to rich client controls • Extensive server-side events and client-side Javascript APIs • Column styles: Edit, Checkbox, DropDownList, Button, URL, etc. • Value Lists and/or dropdown multi-column Combos in grid cells • Validate cell values; Support for GroupBy Header Summary Text • Column/Row Resizing & Column Sorting/Moving on client or server-side • Column totaling, Cell Merging, stationary Column Headers & more!
Dropdown combo	• Based on the ASP.NET grid, editable multi-column dropdown • Bound/unbound, design-time support and many grid features
Charting	• All major 2D/3D chart types: Bar, Column, Line, Area, Pie, Scatter, • Bubble, HeatMap, Candle, HiLow, and OpenClose Financial • Built on core charting engine shared with our .NET chart • Data bound and non-bound modes, using the DataSource property • Manually exclude/include columns and rows for chart rendering • Seamless integration with .NET data sources and containers • ASP.NET session-based security for protecting rendered chart data • Superior RAD Designers, custom editors, design-time data binding • Server-side events and rich client-side Javascript APIs • WYSIWYG chart configuration with context-appropriate properties • Robust Aesthetic Enhancements - Anti-aliasing, Transparency, etc. • Advanced Color Model visually disentangles charted information • Advanced Tooltips, Legends and Labels for rich data display

ASP.NET	Selected Features
Toolbar	• Essential horizontal toolbar for web-based Microsoft-style applications • Style Objects simplify global appearance modifications • Moveable toolbars with "OnTop" property • Buttons: textbox-style, images (and alignment), tool tips and more • Toolbars can contain any custom style control • Code Injection - insert HTML code into preexisting files • Optimized for the web, optionally turn off ViewState
Listbar/ Explorer bar	• Essential vertical listbar provides Groups containing Items with a convenient style property setting to display an XP-style explorer bar • Supports images, text and alignment, predefined appearances • Optimized for the web, optional, improved ViewState • Template support/host controls in Groups; Disable Group/Item • Target URL for Groups, auto scrolling, easy Group/Item editing
Tree	• Database bound/unbound modes: DataSet, IList, ICollection objects • RAD Designers/Visual Tree Construction using NavStudio • RAD Templates provided or save your own as a custom template • NEW Nodes support checkboxes and single branch expansion • NEW Load on Demand - Bound or unbound, manual or automatic • NEW Client side object model, API and events for rich-client feel • Style Objects simplify global appearance modifications • Code Injection — NavStudio can insert HTML code into existing files • XML Data Persistence allows Save/Load to XML project files • Node searching, sorting plus NEW hidden and disabled properties • Specify node highlighting, hover and selected images
Menu	• Database bound/unbound modes: DataSet, IList, ICollection objects • RAD Designers/Visual Menu Construction using NavStudio • RAD Templates provided or save your own as a custom template • NEW Menu items support checkboxes and checked events • NEW Load on Demand - Bound or unbound, manual or automatic • NEW Client side object model, API and events for rich-client feel • NEW windows XP look and feel, shadowing* and fading* • NEW Enhanced client-side menu behavior provides preset styles • Style Objects simplify global appearance modifications • Code Injection — NavStudio can insert HTML code into existing files • XML Data Persistence allows Save/Load to XML project files • Menu searching, sorting plus NEW hidden and disabled properties • Specify menu item highlighted, hover and selected images
Tab	• Customizable horizontal or vertical tab displays text and images • Optimized for the web, optionally turn off improved ViewState • Tabs can reflect state changes visually, on selection, mouseover, etc. • Optional DisplayPane holds forms, tables, HTML/DHTML, etc. • Customizable ContentPane: border style, width and color

(Toolbars / Navigation)

*Requires the use of 'window layering' which is an OS specific feature, currently only available on Windows 2000 and higher. Operating systems that do not support layered windows will gracefully degrade following Office XP's lead and show non-alpha blended 'gray' shadows.

.NET	Selected Features
Grid	• True hierarchical bound/unbound modes: DataSet, • DataTable, IList, ITypedList, and IBindingList. • Built on our exclusive Presentation Layer Framework • NEW Compressed CardView and Compact GroupBy Box • NEW In-cell DropDown Editing, supports our Win editors • In-cell .NET Multi-column Dropdown is bindable • NEW SummaryRow calculates column data per band • NEW Run-time Row Filtering per band or per row • WYSIWYG Designers/Wizards for fast, easy setup • Printing, print preview, Save and Load layouts and more
Charting	• All major 2D/3D chart types: Bar, Column, Line, Area, Pie, Scatter, • Bubble, HeatMap, Candle, HiLow, and OpenClose Financial • Built on core charting engine shared with our ASP.NET chart • Data bound and non-bound modes, using the DataSource property • Superior RAD Designers, custom editors, design-time data binding • Robust Aesthetic Enhancements - Anti-aliasing, Transparency, etc. • Rich customizable legends and formattable labels • ActiveHighlighting, rich Windows event model and interaction
Toolbars	• Add toolbars to MDI or SDI forms, or any container control • Design-time Code Generator generates VB.NET or C# code • Save/Load Configurations to/from binary or XML (SOAP) streams • Run-time customizer and design-time dragdrop setup • ControlContainer/PopUpControlContainer tools, many tool types • Dragging, floating/fading*, docking toolbars in design- and run-time • Switch between Office XP and 2000 with one property
Listbar (Navigation)	• Outlook-style application UI, display vertical or horizontally • Supports gradients, background/item/group images, and sounds • Selection of ten styles are provided for Group and Item buttons
Explorer Bar (Navigation)	• Windows XP explorer bar look & feel with 3 style/behavior settings • Single or multiple groups may be expanded at one time • Automatic scroll buttons or scrollbars, as needed. • VS.NET Toolbox-style embeds scroll button in Group header • Group item area can contain controls, placed at design- or runtime • Group header image may overrun the header • Item styles include button, statebutton, label and separator • Group styles include small/large images, optional text, text below • Multi-line text with word wrap in both Groups and Items • Exciting animated group opening/closing, with speed setting • Flexible item highlighting, border style, spacing, margins & indents • Drag and drop support for moving items between Groups • Selection of ten styles are provided for Group and Item buttons • Support for multiple columns when using Explorer-Style setting • Visible and Enabled properties for Items

*Requires the use of 'window layering' which is an OS specific feature, currently only available on Windows 2000 and higher. Operating systems that do not support layered windows will gracefully degrade following Office XP's lead and show non-alpha blended 'gray' shadows.

For a FULL FEATURE SET, please see product information available on our website: www.infragistics.com

.NET	Selected Features
Tree (Navigation)	• Load on demand , unique, customizable node state appearances • Nodestyles: CheckBox, CheckBoxTriState, OptionButton, Standard • Sorting on any level by text or numerically, checkbox, key or etc. • Left/right/multiple Node images, automatic keyboard searching
Menu (Navigation)	• Office 2000 or XP Emulation, specify with one property • ActiveHighlighting, fading* closely mimic Office XP formulas • Personalized menus, animations, shadows mimic Microsoft Office • Dock menubars, tearaway, popup, display sidestrip menus • Save/restore configurations and layouts, to/from binary or XML
Dockable Windows (Navigation)	• Grouping Styles: Vertical/horizontal splits, tab groups, sliding groups • Visual Studio.NET-style docking and floating of any control • Tabstyle Groups: Visual Studio.NET-style tabbed, docked windows • Controls can be docked, floated and repositioned at design-time
Tab (Navigation)	• Robust drop-in replacement for the Visual Studio.NET inbox tab, plus many additional features • Superior performance with consistent, flexible object model, based on our exclusive Presentation Layer Framework • Shared controls can appear across multiple tab pages • Highly flexible image support for tab • Tabs active at design time for WYSIWYG development • Multiple tab styles including button, flatbutton, flat rectangular, Visual Studio, Excel, flat, notepage, notepageflat, and wizard • TabLayoutStyle property allows for multi-row tab support, including scrolling tab rows or popping up multi-row selection windows • Tooltips, and tiptext may be initialized from a data source • Advanced Design Time Drag and Drop support for moving tabs during design time
Tabstrip (Navigation)	• Complete featureset of the Tab control, without a tab page child control (Tabstrip is not an in-box drop-in replacement) • Data bindable tab headers, auto-creates a tab for each row in the data source • TabIntialized event for each tab loaded, allows developer to handle the manual initialization of the tab area
Calendar (Calendar/Schedule)	• Flexible single month display with 9 background gradient styles • Get appointment, day, day-of-week, holiday, note, etc. from point • Single- or multi-day selection, contiguous/non-contiguous • Visually resize, move, dragdrop single- or multi-day appointments
Dayview (Calendar/Schedule)	• Outlook-style built-in, cancelable default appointment dialog • Robust Event model and convenient methods for programmability • Visually move, copy, dragdrop and resize appointments • Appointments: optional alarms, all day events, multi-day, overlapping • Customizable time range, working times and increment display

† Most Recently Used (MRU) technology - Display a list of the last entered information

For a FULL FEATURE SET, please see product information available on our website: www.infragistics.com

.NET   Selected Features

Calendar/Schedule	Weekview	• Includes the features of .NET dayview with 5 or 7 days display • Dragdrop activities from one day to another (like Microsoft Outlook) • Versatile display of activities and time, scroll through weeks
	MultiMonth	• Specify multiple months and arrangement of displayed months • Get day from point, popup month chooser, display week numbers
	CalendarLook	• Non-visual control stores appearances and change notifications shared by all .NET scheduling controls: Holiday, Days, Months, etc.
	CalendarInfo	• Non-visual control stores information: appointments, holidays, etc. • Load/Save methods provided for stored data and collections.
	Dropdown Calendar	• Specify number of months and arrangement of displayed months • Popup month chooser, spin button, optional customizable date buttons • Multi-selection, display week numbers, day tooltips
Editors	Text editor	• XP/2000, MRU†, custom null text display, image support
	Masked edit	• XP/2000, spin button, min/max, specify input mask, .NET data bindable
	Combo editor	• XP themes, MRU†, custom null text display, image support, sorting
	Fontname editor	• XP themes, MRU†, show fontnames in fonts, image support, sorting
	Date/time editor	• XP themes, optional spin button, min/max date, internationalization
	Currency editor	• XP themes, spin button, specify input mask, internationalization
	Numeric editor	• XP themes, spin button, specify input mask, null text, internationalization
	Check editor	• XP/2000, visual boolean selection, optional 3 state checkbox
	Color picker	• Dropdown system colors, customized palettes and more
	Optionset	• Mutually exclusive selection customizable item appearance • Value list can be assigned to the control at run-time
	Calculator	• XP/2000, customizable buttons, actions/calculations and appearances
	Progressbar	• XP themes, customizable display, fillstyles, captions, image support
GUI	Dropdown Calendar	• Specify number of months and arrangement of displayed months • Popup month chooser, spin button, optional customizable date buttons • Multi-selection, display week numbers, day tooltips
	Status bar	• XP themes, 13 panel styles, sizing control, character position dialog, design-time resizing, panel level borderstyle control, simple style option
	Scroll bar	• XP/2000, min/max buttons, flexible button styles and alignments • Auto sizing, disabling, small/large change, default context menu

† Most Recently Used (MRU) technology - Display a list of the last entered information

For a FULL FEATURE SET, please see product information available on our website: www.infragistics.com

NetAdvantage 2003 Programs

Subscription Service

Our development team is committed to keeping in step with new technology. Infragistics' Subscription Service is a convenient way to ensure developers are always using the latest versions of Infragistics components. Subscription Service provides automatic notification (downloadable product links) of all major upgrades (full version releases and any new products added to the suite) and minor updates (enhancements & maintenance releases) for the period of one year. Our Web Support Center and standard email support is provided at no cost to our registered members.

.NET and ASP.NET Source Code

Source code for Infragistics .NET and ASP.NET components is included with Subscription Service providing much more than the peace of mind you have always wanted when using components. It ensures the life of your application, provides maximum code flexibility, and can be a great learning tool. The power of .NET is multiplied exponentially when you extend our source code for your own purposes. It's the head start you need to deliver your application in record time.

Enterprise Edition

Enterprise membership provides all the benefits of Subscription Service and includes .NET and ASP.NET source code, but additionally guarantees the highest level of services and support. Join our Enterprise customers who depend on us–Verizon, NASA, Fidelity Investments, Disney, Exelon, and more.

Enterprise Rapid Response Support

To ensure a timely response to a request, your web support request is automatically routed directly to our Enterprise level support box, and entitles you to rapid response from our support team. If you submit before 1 p.m. EST, you will receive a response by 5 p.m. If you submit your request after 1 p.m. EST, you will receive a response by 1 p.m. the next business day. Additionally, all Enterprise level telephone calls are handled ahead of all standard support calls.

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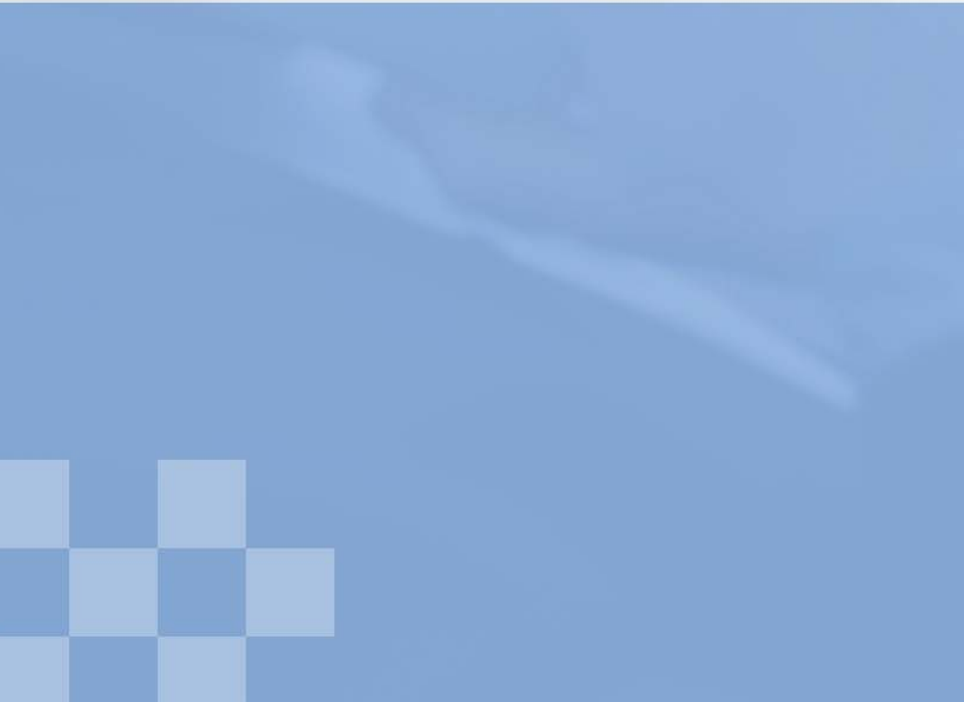609-448-2000
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Infragistics™
Powering The Presentation Layer