

WebGrid Enterprise 7

What's New in WebGrid 7

WebGrid Enterprise 7 R2 includes a multitude of refinements in user interface areas – from new Vista-style column action, customizable header context menu, rich text editing integration to engaging UI themes – making WebGrid even more versatile and naturally easier to use.

New Visual UI Themes

Designed from the ground up by Intersoft artists, WebGrid 7 now is preloaded with three new dazzling visual themes: Windows 7, Glassy Black and Metallic Silver.

Thanks to WebGrid's DefaultStyle™ architecture, applying the new theme can be done as easy as one property set. The new themes are available as new options in **DefaultStyleMode** property in the WebGrid control.

Each visual theme is designed with high quality graphics and balanced color scheme. In addition to the main WebGrid interface, the theme also covers all aspects of WebGrid user interface elements, including context menu, pivot charting interface, ribbon, buttons, status bar and more.

The following screenshots illustrate the design for each visual theme:

Windows 7

Orders

EmployeeID ↑

	CustomerID	OrderDate	RequiredDate	ShippedDate	Freight	ShipName	ShipAddress	ShipCity
>								
* Please click here to add new row...								
EmployeeID: Andrew								
	BLONP	7/25/1996	8/22/1996			Blondel père et fils 24, place Kléber		Strasbourg
	MORGK	8/9/1996	9/9/1996			Morgenstern Ge...	Heerstr. 22	Leipzig
	BERGS	8/14/1996	9/15/1996			Berglunds snabb...	Berguvsvägen 8	Luleå
	VINET	9/2/1996	9/30/1996			Vins et alcools C...	59 rue de l'Abbaye	Reims
	MAGAA	9/9/1996	10/7/1996			Magazzini Alime...	Via Ludovico il ...	Bergamo
	LONEP	9/17/1996	10/15/1996			Lonesome Pine ...	89 Chiaroscuro ...	Portland
	WANDK	9/23/1996	10/21/1996			Die Wandernde ...	Adenauerallee 900	Stuttgart
	QUICK	9/24/1996	10/22/1996			QUICK-Stop	Taucherstraße 10	Cunewalde
	FOLKO	10/11/1996	11/8/1996			Folk och få HB	Åkergatan 24	Bräcke
	MEREP	10/28/1996	11/25/1996			Mère Paillarde	43 rue St. Laurent	Montréal
	QUICK	11/4/1996	12/2/1996			QUICK-Stop	Taucherstraße 10	Cunewalde
	ERNSH	11/29/1996	12/27/1996	12/2/1996	\$101.95	Ernst Handel	Kirchgasse 6	Graz
	QUEDE	12/11/1996	1/8/1997	12/13/1996	\$45.03	Que Delicia	Rua da Panificad...	Rio de Janei
	SEVES	12/19/1996	1/16/1997	12/20/1996	\$34.86	Seven Seas Impo...	90 Wadhurst Rd.	London
	PICCO	12/24/1996	1/21/1997	1/1/1997	\$122.46	Piccolo und mehr	Geislweg 14	Salzburg
	SAVEA	12/30/1996	1/27/1997	1/9/1997	\$89.16	Save-a-lot Mark...	187 Suffolk Ln.	Boise
					\$1,384.34			

Ready.

3 pending change(s).

Unfiltered

Page 1 of 34

Not Set

Greater Than or Equals To

Greater Than

Equals To

Does Not Equal To

Less Than or Equals To

Less Than

Is Between

Is Not Between

Is Null

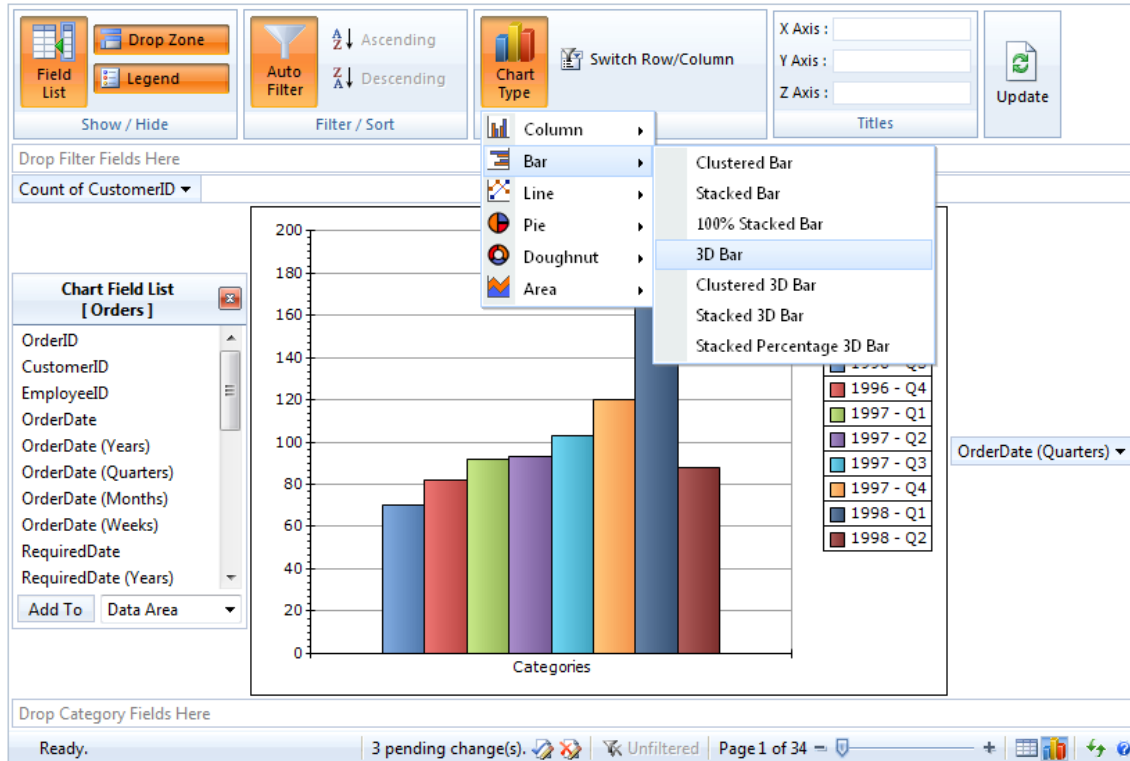
Is Not Null

Apply All Filters

Clear This Filter

Clear All Filters

Grid View



Pivot Chart View

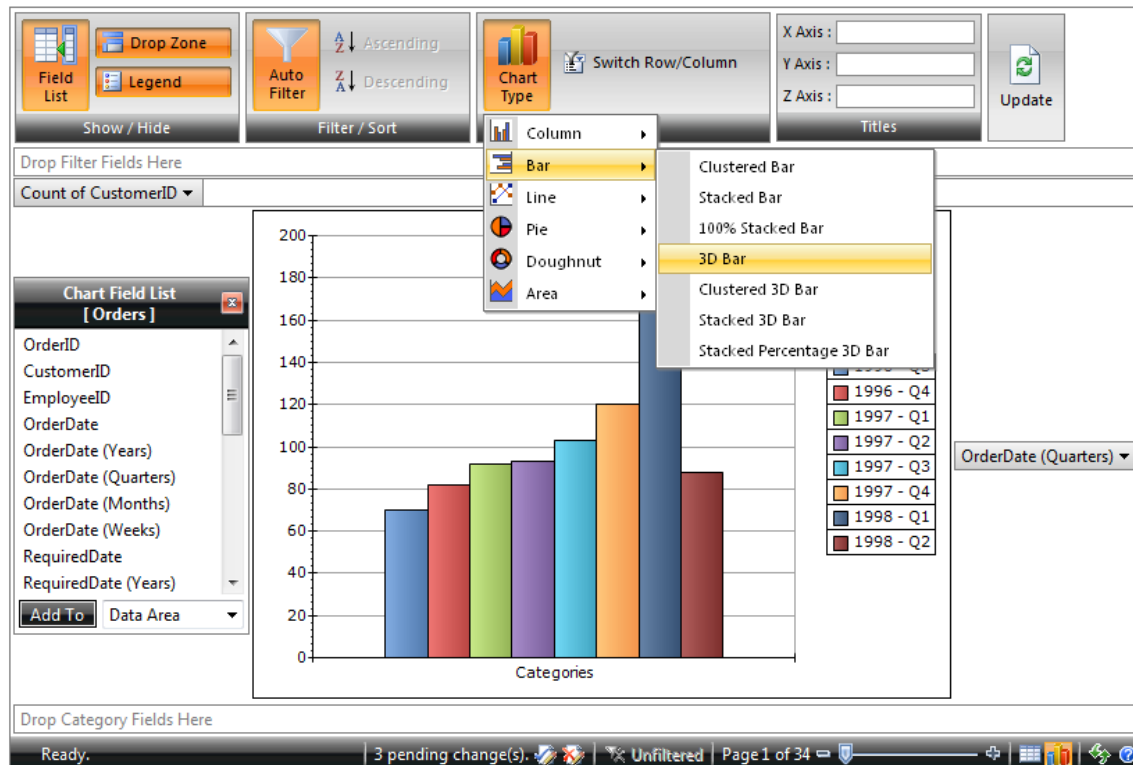
Black Theme

The screenshot displays the Grid View of the same data model in a dark theme. The table shows a list of orders with columns for CustomerID, OrderDate, RequiredDate, ShippedDate, Freight, ShipName, ShipAddress, and ShipCity. A filter dropdown menu is open over the 'OrderDate' column, showing various filter options such as 'Not Set', 'Greater Than or Equals To', 'Greater Than', 'Equals To', 'Does Not Equal To', 'Less Than or Equals To', 'Less Than', 'Is Between', 'Is Not Between', 'Is Null', 'Is Not Null', 'Apply All Filters', 'Clear This Filter', and 'Clear All Filters'. The table is currently filtered to show orders for the employee 'Andrew'.

CustomerID	OrderDate	RequiredDate	ShippedDate	Freight	ShipName	ShipAddress	ShipCity
BLONP	7/25/1996	8/22/1996	8/12/1996				
MORGK	8/9/1996	9/9/1996	8/13/1996				
BERGS	8/14/1996	9/15/1996	9/12/1996				
VINET	9/2/1996	9/30/1996	9/10/1996				
MAGAA	9/9/1996	10/7/1996	9/18/1996				
LONEP	9/17/1996	10/15/1996	9/25/1996				
WANDK	9/23/1996	10/21/1996	10/3/1996				
QUICK	9/24/1996	10/22/1996	10/4/1996				
FOLKO	10/11/1996	11/8/1996	10/14/1996				
MEREP	10/28/1996	11/25/1996	11/4/1996				
QUICK	11/4/1996	12/2/1996	11/11/1996				
ERNSH	11/29/1996	12/27/1996	12/2/1996	\$101.95	Ernst Handel	Kirchgasse 6	Graz
QUEDE	12/11/1996	1/8/1997	12/13/1996	\$45.03	Que Delicia	Rua da Panificad...	Rio de Janeiro
SEVES	12/19/1996	1/16/1997	12/20/1996	\$34.86	Seven Seas Impo...	90 Wadhurst Rd.	London
PICCO	12/24/1996	1/21/1997	1/1/1997	\$122.46	Piccolo und mehr	Geislweg 14	Salzburg
SAVEA	12/30/1996	1/27/1997	1/9/1997	\$89.16	Save-a-lot Mark...	187 Suffolk Ln.	Boise

The status bar at the bottom indicates 'Ready.' and '3 pending change(s).', along with a page indicator 'Page 1 of 34'.

Grid View

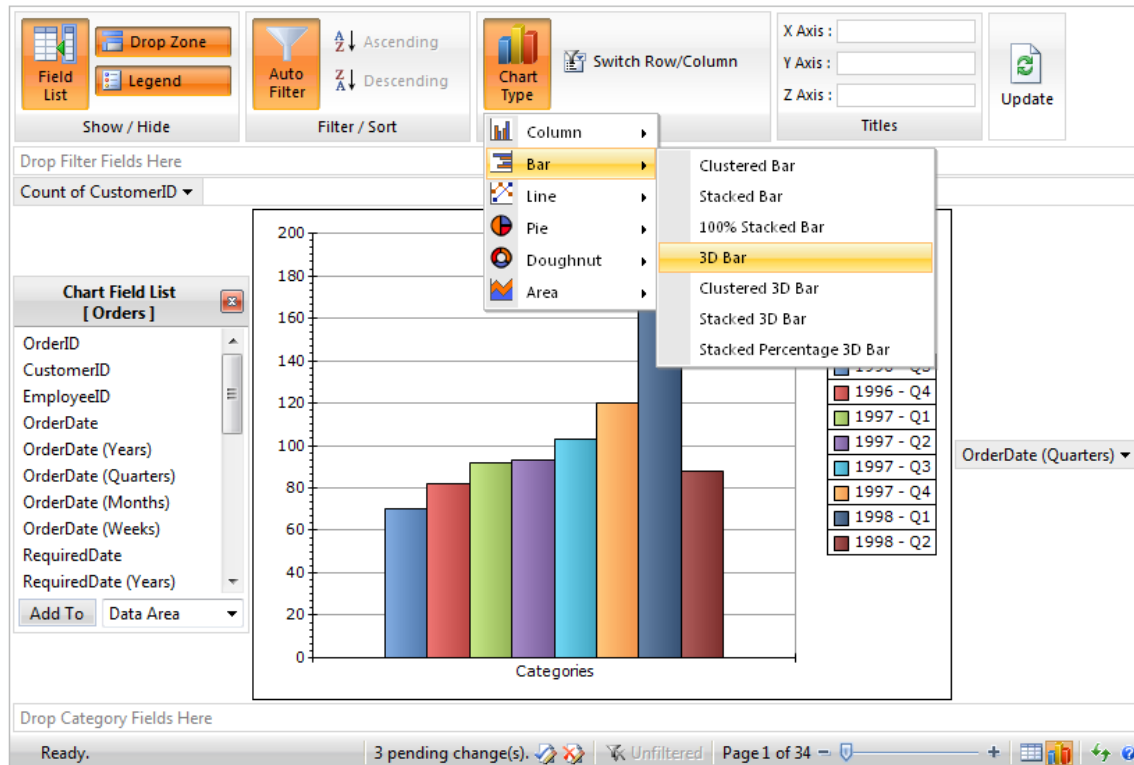


Pivot Chart View

Silver Theme

CustomerID	OrderDate	RequiredDate	ShippedDate	Freight	ShipName	ShipAddress	ShipCity
* Please click here to add new row...							
EmployeeID: Andrew							
BLONP	7/25/1996	8/22/1996	8/12/1996			filis 24, place Kléber	Strasbourg
MORGK	8/9/1996	9/9/1996	8/13/1996			e... Heerstr. 22	Leipzig
BERGS	8/14/1996	9/15/1996	9/12/1996			b... Berguvsvägen 8	Luleå
VINET	9/2/1996	9/30/1996	9/10/1996			C... 59 rue de l'Abbaye	Reims
MAGAA	9/9/1996	10/7/1996	9/18/1996			e... Via Ludovico il ...	Bergamo
LONEP	9/17/1996	10/15/1996	9/25/1996			... 89 Chiaroscuro ...	Portland
WANDK	9/23/1996	10/21/1996	10/3/1996			... Adenauerallee 900	Stuttgart
QUICK	9/24/1996	10/22/1996	10/4/1996			Taucherstraße 10	Cunewalde
FOLKO	10/11/1996	11/8/1996	10/14/1996			Åkergatan 24	Bräcke
MEREP	10/28/1996	11/25/1996	11/4/1996			43 rue St. Laurent	Montréal
QUICK	11/4/1996	12/2/1996	11/11/1996			Taucherstraße 10	Cunewalde
ERNSH	11/29/1996	12/27/1996	12/2/1996	\$101.95	Ernst Handel	Kirchgasse 6	Graz
QUEDE	12/11/1996	1/8/1997	12/13/1996	\$45.03	Que Delicia	Rua da Panificad...	Rio de Janeiro
SEVES	12/19/1996	1/16/1997	12/20/1996	\$34.86	Seven Seas Impo...	90 Wadhurst Rd.	London
PICCO	12/24/1996	1/21/1997	1/1/1997	\$122.46	Piccolo und mehr	Geisweg 14	Salzburg
SAVEA	12/30/1996	1/27/1997	1/9/1997	\$89.16	Save-a-lot Mark...	187 Suffolk Ln.	Boise
				\$1,384.34			

Grid View

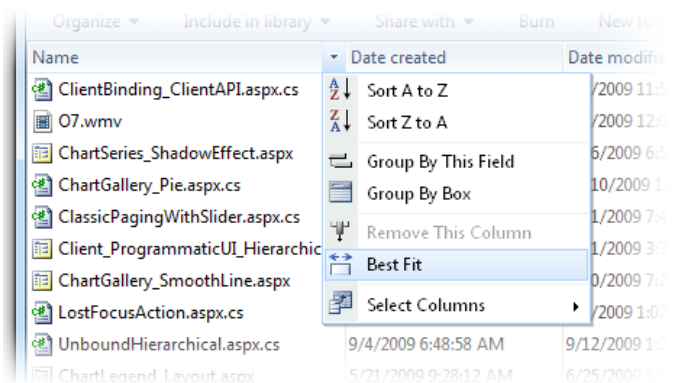


Pivot Chart View

To set the theme in Webform, simply set the **DefaultStyleMode** property to the desired theme name in the WebGrid control. Alternatively, you can also set the theme in the design-time by using the [enhanced WebGrid Designer](#).

Column Action

New in WebGrid 7 is Column Action, a new user interface feature to display contextual column actions through a visual hint that automatically appear when users hover on a column – making it even easier and faster for users to access column-related commands.



By default, the column action will show the column context menu which includes built-in commands such as sorting, grouping, column freezing, select columns or other column-related features that are currently enabled.

In addition to the default behavior, WebGrid also supports column action customization to enable broader and more advanced scenarios, for instances, adding new commands or displaying predefined filter menu similar to Windows Explorer. The customization can be elegantly done by handling **OnColumnAction** client-side event.

The following example shows how to show a custom context menu during column action.

ASPX

```
<ISWebGrid:WebGrid ID="WebGrid1" runat="server">
    <LayoutSettings>
        <ClientSideEvents OnColumnAction="OnColumnAction" />
    </LayoutSettings>
</ISWebGrid:WebGrid>
```

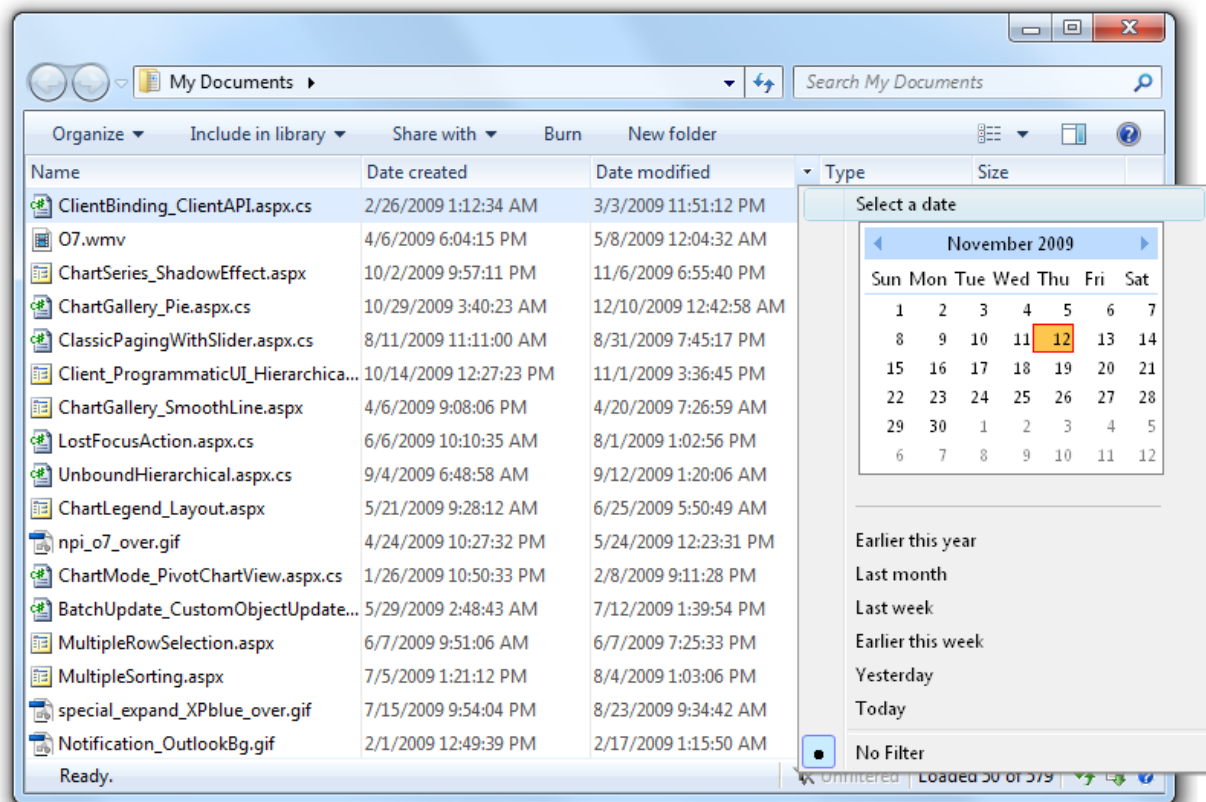
Javascript

```
function OnColumnAction(controlId, column)
{
    if (column.Name == "Modified")
    {
        var menu = ISGetObject("dateFilterMenu");
        var grid = ISGetObject(controlId);
        var eventLocation = menu.GetEventLocation();

        eventLocation.X -= 8;
        eventLocation.Y += 5;
        menu.Show(eventLocation);
        grid.ActionBoxShown = true;

        return false; // cancel default behavior
    }
}
```

The following screenshot illustrates a WebGrid sample that used Explorer-style predefined date filter as the column action.



The column action is customized to display Windows Explorer style date filter menu

How-to: Enable Column Action

How-to: Add new menu items in Column Action

Custom Editors Pack 3

For the first time since version 4, WebGrid 7 is preloaded with more custom editors – delivering richer and more natural editing experiences. Bundled into Custom Editors Pack 3, WebGrid introduces Vista-style calendar and WebTextEditor custom editor.

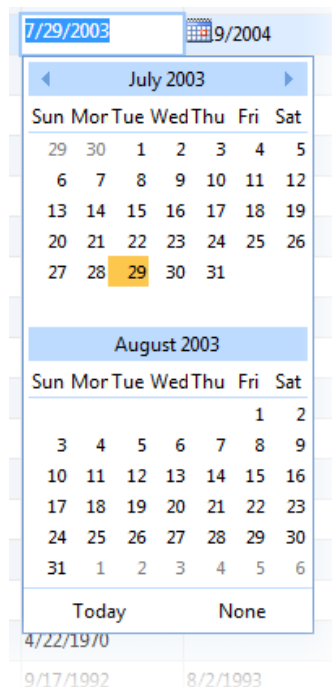
Vista-style Calendar Custom Editor

The new WebCalendar custom editor gives users the look and feel of Vista-style date picker which provides the easiest way to navigate month, year, and range of years. Unlike the built-in Calendar, WebCalendar is far more robust and versatile with its lightweight component design and minimalist visual theme.

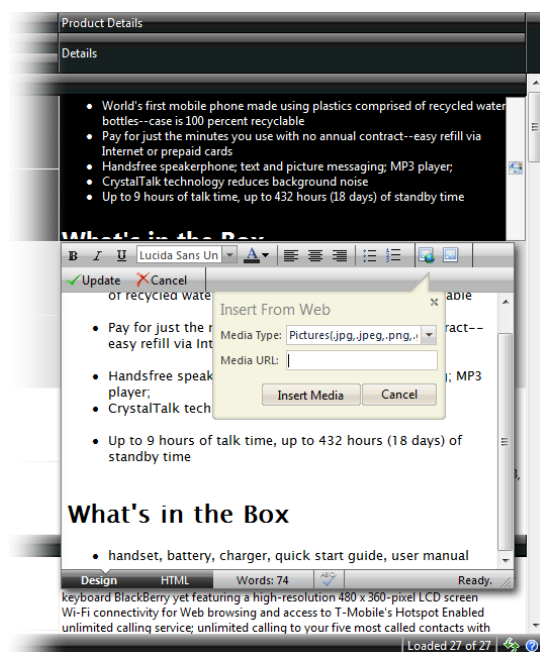
Fully integrated with WebCalendar API, you can take advantage of many powerful calendar features, such as multiple months display, show week numbers, built-in themes, automatic globalization support, date format customization and much more.

When the WebCalendar custom editor is used, WebGrid will automatically add client resource references to WebScheduler_Calendar, several images and style resources. Please make sure that WebScheduler's resource files have been added to your project.

How-to: Use WebCalendar custom editor



WebTextEditor Custom Editor



WebGrid 7 now supports WebTextEditor as the rich text editor integrated into WebGrid's editing environment – enabling users to leverage the powerful and advanced editing capabilities of WebTextEditor in the convenience of one-click inline editing.

WebTextEditor is Intersoft's flagship rich editing component for ASP.NET that delivers innovative editing features, high performance, and full cross-browser support. The key features include natural user interface with integrated spell-checker, real-time uploader, and built-in media gallery. Click [here](#) to learn more.

Note: WebTextEditor is a standalone server-side component and require to be licensed separately. For more information about WebTextEditor licensing, please contact [Intersoft Sales](#).

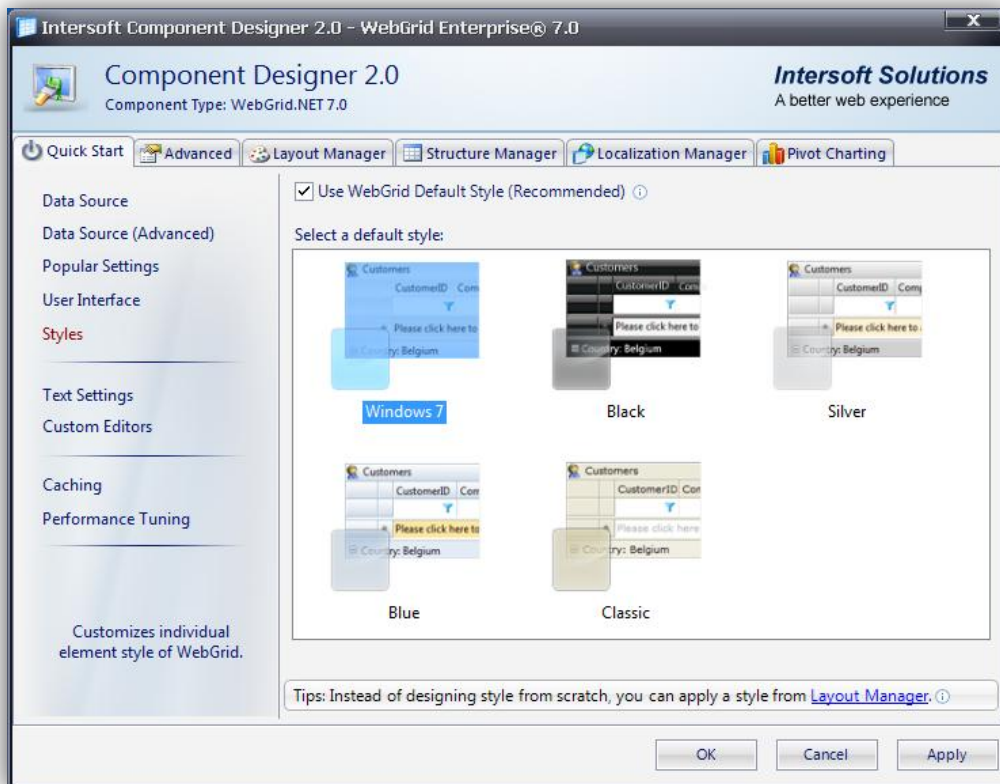
How-to: Use WebTextEditor custom editor

Improved Designer

In addition to the impressive UI themes and other new runtime features, WebGrid 7 also improves its Designer to make it even easier to work with the new features.

Styles Selection

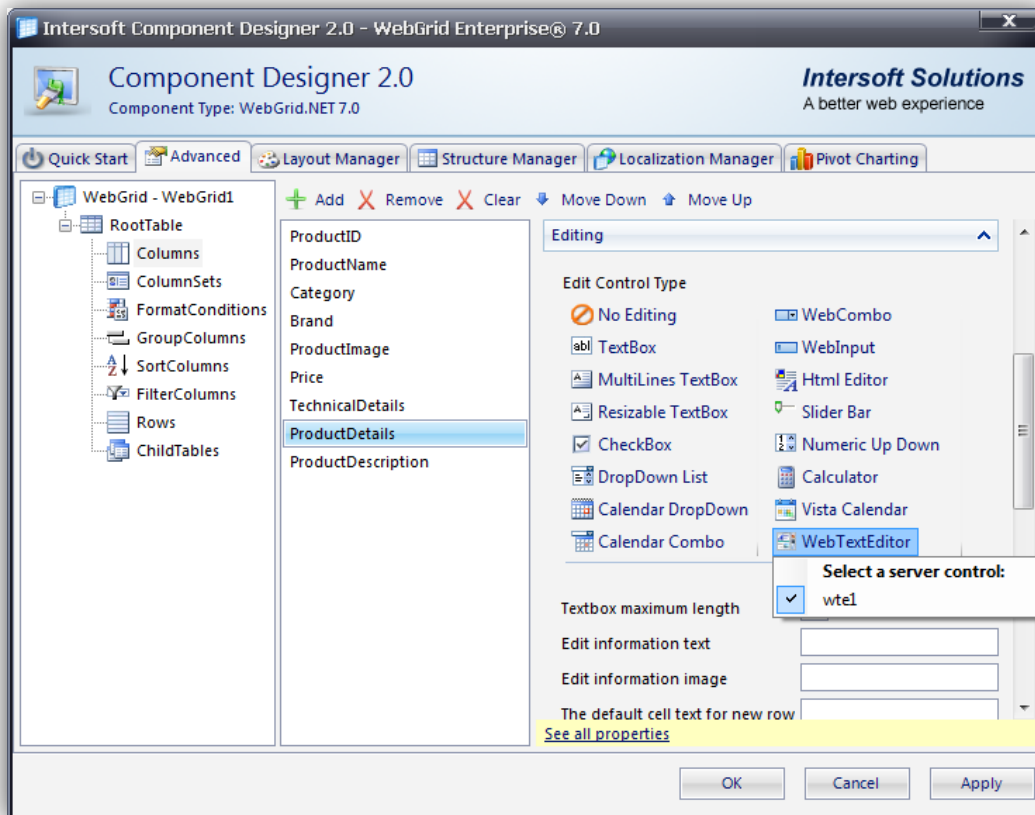
Easily select a style with the revamped Styles Designer. The Styles Designer now displays all available styles in visually appealing interface.



Improved Styles Selection Interface

Custom Editor Selection

Along with new [Custom Editors Pack 3](#), the WebGrid Designer has also been improved to let you easily select the custom editor from the available list. When server-side editor type is selected, the designer will automatically show all available controls having the same type of the required custom editor.



The intuitive designer lets you choose an editor with a simple point-and-click.

Context Menu Customization

WebGrid is continually enhanced to meet your most demanding Web 2.0 applications. It now supports customization on all context menu elements such as header context menu and exporting context menu – giving developers the utmost flexibility to create rich user experiences required in today's business applications.

The context menu can be customized through the new **OnColumnContextMenu** client-side event. For more information on the event arguments supplied in this event, please see [New Client Events](#).

The following Javascript code shows how to add custom menu to the header context menu. It adds *Google Map* functionality when users right click on the *Address* column header.

```
function OnColumnContextMenu(controlId, column, menu, isGroup, location)
{
    var grid = ISGetObject(controlId);
    var selectedObject = grid.GetSelectedObject();
    var selectedRow = (selectedObject ? selectedObject.ToRowObject() : null);

    if (column.Name == "Address" && selectedRow != null &&
        selectedRow.Type == "Record")
    {
        var mapsMenu = new WebMenuItem("maps", "Google Maps");
    }
}
```

```

var templateMenu = new WebMenuItem("maps_canvas", "");
var address = selectedRow.GetCell(column.Name).Text;

templateMenu.Type = "Template";
templateMenu.Enabled = false;

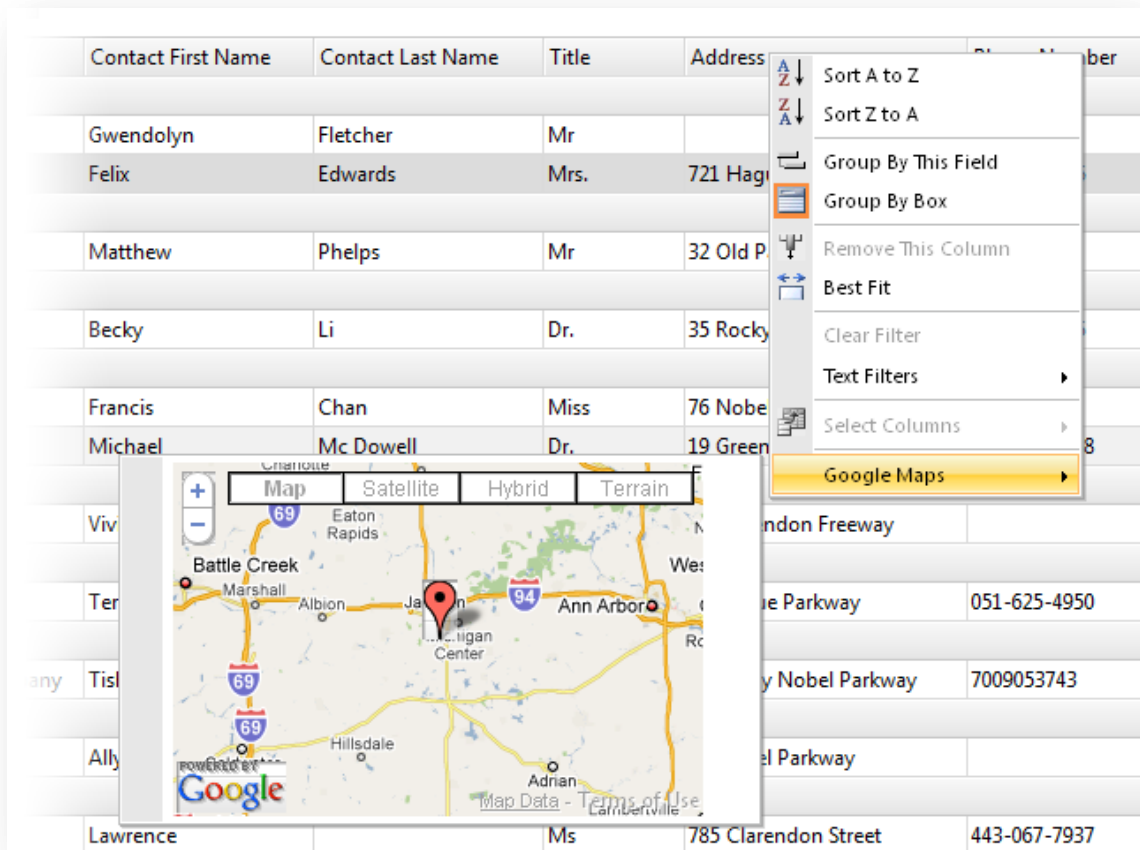
if (googleMapInitialized && address != "")
{
    mapsMenu.SubMenu.Items.Add(templateMenu);

    // add our new menu items to the header context menu
    menu.Items.Add(new WebMenuSeparatorItem());
    menu.Items.Add(mapsMenu);

    ShowMapByAddress(address);
}
else
{
    mapsMenu.Enabled = false;
}
}
}

```

The following image illustrates the result of the sample which integrates Google Map into WebGrid's header context menu.



New Client Events

Numerous client-side events are introduced in this release to more extensibility and greater control over WebGrid's functions and behaviors.

The new client side events are:

- **OnInitializeCustomEditor**
Specifies the client side (JavaScript) function that will be invoked when a custom editor is about to be initialized.
Parameters: controlId, editorName, editorObject, customEditor
- **OnColumnContextMenu**
Specifies the client side (JavaScript) function that will be invoked when the column's context menu is about to be displayed.
Parameters: controlId, col, menu, isGroup, location
- **OnExportContextMenu**
Specifies the client side (JavaScript) function that will be invoked when the exporting context menu is about to be displayed.
Parameters: controlId, table, menu, location
- **OnBatchUpdateError**
Specifies the client side (JavaScript) function that will be invoked when one or more records are failed to be updated during batch update process.
Parameters: controlId, errorXml
- **OnColumnAction**
Specifies the client side (JavaScript) function that will be invoked when users click on the column action indicator.
Parameters: controlId, column

Advanced Column Filter

Since its initial version, WebGrid has provided predefined filter types that let users easily performing filters from the WebGrid user interface. The supported predefined filters are greater than or equal to, greater than, equal to, like, between, empty, null and more.

Often times, the predefined filter isn't sufficient to meet more complex requirements that involve multiple expressions in a column. WebGrid 7 introduces an advanced column filter that enables developers to write their own expressions per column.

The WebGridFilter object now includes three new properties:

- **UseAdvancedFilter.** Set this property to true to process this filter using custom filter expression.
- **AdvancedFilterKey.** Specifies the key name for this filter.
- **AdvancedFilterExpression.** Specifies the filter expression for this filter.

The advanced filter expression must be compatible with ADO.NET Expression. Furthermore, the advanced expression text will not be displayed in the WebGrid user interface. Some scenarios where advanced filter can be useful are predefined filtering from custom context menu interface or custom filtering from column action interface.

The following C# code shows how to add an advanced filter for Modified column.

```
protected void WebGrid1_InitializeLayout(object sender, LayoutEventArgs e)
{
    WebGridFilter customFilter = new WebGridFilter();
    DateTime date1 = DateTime.Today.AddMonths(-1);
    DateTime date2 = DateTime.Today;

    customFilter.AdvancedFilterKey = "LastMonth";

    customFilter.AdvancedFilterExpression = "([modified] > #" +
        date1.ToShortDateString() + "#" +
        " and [modified] < #" + date2.ToShortDateString() + "#)";

    WebGrid1.RootTable.FilteredColumns.Add(customFilter);
}
```

XHTML Support

WebGrid 7 continues to deliver constant improvement to support Web standards such as XHTML. The new release now supports pixel-perfect rendering when operating in XHTML document type.

The supported browsers for the XHTML document type are:

- Internet Explorer 7 Standards mode
- Internet Explorer 8 Standards mode
- Firefox 3+
- Safari 4+
- Opera 9.5+
- Other Gecko or Webkit variants

The following screenshots compare the WebGrid rendering result in several browsers:

Internet Explorer 8

Drag a column header here to group by that column.

Customers

CustomerID	CompanyName	ContactName	ContactTitle	Address
* Please click here to add new customer...				
ANATR	Ana Trujillo Emparedados y he...	Ana Trujillo	Owner	Avda. de la Constitu...

Orders

CustomerID	OrderID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia
* Please click here to add new order...						
ANATR	10308	Robert	09/18/1996	10/16/1996	09/24/1996	Federal Ship
ANATR	10625	Janet	08/08/1997	09/05/1997	08/14/1997	Speedy Expi
ANATR	10759	Janet	11/28/1997	12/26/1997	12/12/1997	Federal Ship
ANATR	10926	Margaret	03/04/1998	04/01/1998	03/11/1998	Federal Ship

Select Employee from list 0 pending change(s). Unfiltered Page 1 of 10

Internet Explorer 7

Drag a column header here to group by that column.

Customers

CustomerID	CompanyName	ContactName	ContactTitle	Address
* Please click here to add new customer...				
ALFKI	Alfreds Futterkiste	Maria Anders	Sales Representative	Obere Str. 57
ANATR	Ana Trujillo Emparedados y hel...	Ana Trujillo	Owner	Avda. de la Constitución 2222
ANTON	Antonio Moreno Taquería	Antonio Moreno	Owner	Mataderos 2312
AROUT	Around the Horn	Thomas Hardy	Sales Representative	120 Hanover Sq.

Orders

CustomerID	OrderID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia
* Please click here to add new order...						

Ready. 0 pending change(s). Unfiltered Page 1 of 10

Firefox 3

Drag a column header here to group by that column.

Customers

CustomerID	CompanyName	ContactName	ContactTitle	Address	City
* Please click here to add new customer...					
ALFKI	Alfreds Futterkiste	Maria Anders	Sales Representative	Obere Str. 57	Berlin
ANATR	Ana Trujillo Emparedados y heladerías	Ana Trujillo	Owner	Avda. de la Constitución 2222	México

Orders

CustomerID	OrderID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight
* Please click here to add new order...							
> ANATR	10308	Robert	09/18/1996	10/16/1996	09/24/1996	Federal Shipping	\$1.6
ANATR	10625	Janet	08/08/1997	09/05/1997	08/14/1997	Speedy Express	\$43.9
ANATR	10759	Janet	11/28/1997	12/26/1997	12/12/1997	Federal Shipping	\$11.9
ANATR	10926	Margaret	02/04/1998	04/01/1998	02/11/1998	Federal Shipping	\$30.0

Select Employee from list

0 pending change(s)

Unfiltered

Page 1 of 10

Safari 4

Drag a column header here to group by that column.

Customers

	CustomerID	CompanyName	ContactName	ContactTitle	Address	City
* Please click here to add new customer...						
+	ALFKI	Alfreds Futterkiste	Maria Anders	Sales Representative	Obere Str. 57	Berlin
-	ANATR	Ana Trujillo Emparedados y he...	Ana Trujillo	Owner	Avda. de la Constitución 2222	México D.

Orders

	CustomerID	OrderID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	S
* Please click here to add new order...									
+	>	ANATR	10308 Robert	09/18/1996	10/16/1996	09/24/1996	Federal Shipping	\$1.61 A	
+		ANATR	10625 Janet	08/08/1997	09/05/1997	08/14/1997	Speedy Express	\$43.90 A	
+		ANATR	10759 Janet	11/28/1997	12/26/1997	12/12/1997	Federal Shipping	\$11.99 A	