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## RadCalendar VS ASP.NET Calendar

### Design-time support

Feature	Additional Information	RadCalendar	ASP.NET Calendar
<b>Smart Tag</b>		Yes	Yes
<b>Setting Skin</b>	AutoFormat	No	Yes
<b>Learning center</b>	Links to the help resources. Search engine.	Yes	No
<b>Configure Special Days</b>	Special Days	Yes	No
<b>AutoPostBack</b>	Client   Server mode	Yes	No
<b>Toggle MultiSelect</b>	MultiSelection	Yes	No
<b>Edit Templates</b>	Edit Templates	Yes	No

### Appearance

Feature	Additional Information	RadCalendar	ASP.NET Calendar
<b>Skins</b>	Applying skins to the control	Yes(many skins are provided in the installation)	Yes(the skin has to be built on your own)

		package)	
<b>BackColor, BorderColor, BorderStyle, BorderWidth, CssClass, Font, ForeColor</b>	Styling properties applied to each separate dayclass	Yes	Yes
<b>ToolTip</b>	The text displayed when the mouse pointer hovers over the Web server control	Yes	Yes
<b>FastNavigation Menu</b>	Ability to select months and years	Yes (you can select months and years from all between the Min/Max range)	No
<b>MultiMonth View</b>	Ability to show more than one month	Yes(all 12 months can be shown at a time)	No
<b>Right-To-Left Support</b>		Yes	Yes
<b>Render Direction</b>	horizontally (in rows) or vertically (in columns)	Yes	No
<b>Special Days</b>		Yes	Yes(have to do it manually)
<b>Header and Footer Templates</b>		Yes	No

<b>MultiDay Selection</b>	Ability to select multiple days	Yes (all kinds of selections)	Yes(day,week and month only!)
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### Server-Side API

Method	Additional Information	RadCalendar	ASP.NET Calendar
<b>SelectionChanged</b>		Yes	Yes
<b>DayRender</b>		Yes	Yes
<b>DefaultViewChanged</b>		Yes	Yes(VisibleMonthChanged)
<b>HeaderCellRender</b>		Yes	No

### Ajax Support

Framework	Additional Information	RadCalendar	ASP.NET Calendar
<b>RadAjax</b>	Our own Ajax framework	Yes	Yes
<b>RadAjax Prometheus</b>	Based on MS AJAX	Yes	Yes
<b>ASP.NET AJAX</b>		Yes	Yes

### Client Side API

RadCalendar provides rich client-side API including various client-side events. Further information can be found in [this help topic](#), the *Client-side API reference* chapter from the online documentation.

and the online demos under the Client-side API and event category:

<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Calendar/Examples/Programming/ClientSideAPI/DefaultCS.aspx>

Client-side events are demonstrated here:

<http://www.telerik.com/DEMOS/ASPNET/Calendar/Examples/Programming/ClientSideEvents/DefaultCS.aspx>

The ASP.NET Calendar provides no client-side API.

## FEATURES THAT ARE AVAILABLE ONLY IN RadCalendar:

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- Fast navigation:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Calendar/Examples/Functionality/FastNavigation/DefaultCS.aspx>
- MultiMonthView:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Calendar/Examples/Functionality/MultiMonthView/DefaultCS.aspx>
- Changing Render Direction:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Calendar/Examples/Functionality/RenderDirection/DefaultCS.aspx>
- Special Days:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Calendar/Examples/Functionality/SpecialDays/DefaultCS.aspx>
- MultiDaySelection:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Calendar/Examples/Functionality/MultiDaySelection/DefaultCS.aspx>
- Header & Footer Template:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Calendar/Examples/Design/CustomHeaderAndFooter/DefaultCS.aspx>

## Three Entirely new controls for your DateTime picking needs:

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***DatePicker:***

<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Calendar/Examples/DatePicker/CustomPopup/DefaultCS.aspx>

***TimePicker:***

<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Calendar/Examples/DateTimePicker/Overview/DefaultCS.aspx>

***DateTimePicker:***

<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Calendar/Examples/DateTimePicker/ServerSideEvents/DefaultCS.aspx>



## RadComboBox VS ASP.NET DropDownList

### Design time support

Feature	Additional Information	RadComboBox	ASP.NET DropDownList
Smart Tag		Yes	Yes
Setting Skin	AutoFormat	Yes	No
Learning center	Links to the help resources. Search engine. Ajax Resources	Yes	No
Edit Items	Adding items	Yes	Yes
Item Collection Editor		Yes	Yes
Edit Templates		Yes	No
Choose DataSource		Yes	Yes
All properties can be set in the properties grid		Yes	Yes

### Appearance

Feature	Additional Information	RadComboBox	ASP.NET DropDownList
Skins	Applying skins to the control	Yes (many skins are provided in the	Yes(the skin has to be built on your own)

		installation package)	
BackColor, BorderColor, BorderStyle, BorderWidth, CssClass, Font, ForeColor	Styling properties applied to each combobox item	Yes (the properties are members of the RadComboBoxItem class)	Yes (the properties are members of the DropDownList class)
ToolTip	The text displayed when the mouse pointer hovers over the Web server control / combobox item. (inherited from WebControl)	Yes (Tooltip can be set for the ComboBox and for every item).	Yes (Tooltip can be set only for the whole dropdown list and not for its list items)
Offsetting the drop-down area	Ability to offset the drop-down area	Yes (OffsetX, OffSetY properties)	No
Screen Boundaries Detection		Yes(r.a.d.combobox opens in the opposite direction when the screen boundaries are to be crossed)	No(DropDownList expands over the screen boundaries)
Right-To-Left Support		Yes ( <code>dir="rtl"</code> )	Yes ( <code>style="direction:rtl"</code> )

## DataBinding

Method	Additional Information	RadComboBox	ASP.NET DropDownList
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Declarative data sources	XmlDataSource, SqlDataSource, AccessDataSource, ObjectDataSource  LINQDataSource	Yes	Yes
Binding to DataTable, DataSet, DataView, Array, ArrayList		Yes	Yes
XML String Binding		Yes	No
Context XML File		Yes	No
Web Services	Load items on demand on the client	Yes	No

### Server-Side API

Event	Additional Information	RadComboBox	ASP.NET DropDownList
SelectedIndexChanged		Yes	Yes
ItemsRequested	Loading items on demand	Yes	No
ItemDataBound		Yes	No
TextChanged		Yes	Yes

Method	Additional Information	RadComboBox	ASP.NET DropDownList
FindItemByText	Finds the first RadComboBoxItem with Text that matches the given text value	Yes	Yes (FindByText)
FindItemByValue	Finds the first RadComboBoxItem with Value that matches the given value	Yes	Yes (FindByValue)
FindItemIndexByText	Returns the index of the first RadComboBoxItem with Text that matches the given text value	Yes	No
FindItemIndexByValue	Returns the index of the first RadComboBoxItem with Text that matches the given value	Yes	No
GetXmlString	Returns the state of RadComboBox as an XML string	Yes	No
InvalidateClientSize	Invalidates the cached size which is calculated upon loading the ComboBox for the first time	Yes	No
LoadContentFile	Loads combobox items from an XML content file	Yes	No
LoadXml	Populates RadComboBox from an XML string	Yes	No

## Ajax Support

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RadComboBox for ASP.NET AJAX is built entirely on top of ASP.NET AJAX, utilizing its common client-side framework and programming model.

MS DropDownList experiences certain problems against MS Ajax and JS errors are often thrown.

## Additional Features

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- Client-Side API - RadComboBox provides rich client-side API including various client-side events. The ASP.NET DropDownList provides no client-side API.  
[Client-Side Events](#)
- [Templates](#)
- [Multi-column Combo](#)
- [Load On Demand](#)
- [Virtual Scrolling and population from Web Service](#)

## RadGrid VS ASP.NET GridView

### Design time support

Feature	Additional Information	RadGrid	ASP.NET GridView
<b>Smart Tag</b>		Yes	Yes
<b>Setting Skin</b>	AutoFormat	Yes	Yes
<b>Learning center</b>	Links to the help resources. Search engine.	Yes	No
<b>Choose Data Source</b>		Yes	Yes
<b>Configure Data Source/Refresh Schema</b>		Yes	Yes
<b>Auto-generate columns at runtime option Auto-generate edit/delete column</b>		Yes	Yes
<b>Separate Property builder for columns configuration</b>		Yes	No
<b>Edit Columns/Add new column Smart tag options</b>	RadGrid has this option when unchecking auto-generate columns	Yes	Yes
<b>Enable Sorting</b>		Yes	Yes

<b>Enable Paging</b>		Yes	Yes
<b>Enable Selection</b>		Yes	Yes
<b>Enable AJAX</b>		Yes	No
<b>Enable Filtering</b>		Yes	No
<b>Enable Scrolling</b>		Yes	No
<b>Enable Grouping</b>		Yes	No
<b>Enable server-side/client-side columns reorder</b>		Yes	No
<b>Edit templates</b>		Yes	Yes

### Column types

Column type	Additional Information	RadGrid	ASP.NET GridView
<b>Bound field</b>	RadGrid -> GridBoundColumn  GridView -> BoundField	Yes	Yes
<b>Checkbox field</b>	RadGrid -> GridCheckBoxColumn	Yes	Yes

	<p>GridView -&gt;</p> <p>CheckBoxField</p>		
<b>HyperLink field</b>	<p>RadGrid -&gt;</p> <p>GridHyperLinkColumn</p> <p>GridView -&gt;</p> <p>HyperLinkField</p>	Yes	Yes
<b>Button field/ Command field</b>	<p>RadGrid -&gt;</p> <p>GridButtonColumn, GridEditCommandColumn</p> <p>GridView -&gt;</p> <p>ButtonField, CommandField</p>	Yes	Yes
<b>Dropdown field</b>	<p>RadGrid -&gt;</p> <p>GridDropDownColumn</p>	Yes	No
<b>Template field</b>	<p>RadGrid -&gt;</p> <p>GridTemplateColumn</p> <p>GridView -&gt;</p> <p>TemplateField</p>	Yes	Yes
<b>Image field</b>	<p>GridView -&gt;</p> <p>ImageField</p>	No	Yes
<b>CheckBox Select field</b>	<p>RadGrid -&gt;</p> <p>GridClientSelectColumn</p>	Yes	No



<b>Client Delete field</b>	RadGrid -> GridClientDeleteColumn	Yes	No
<b>ExpandCollapse field</b>	RadGrid -> GridExpandCollapseColumn (for hierarchical/grouping)	Yes	No
<b>Row indicator field</b>	RadGrid -> RowIndicatorColumn  (for row resizing)	Yes	No
<b>Group splitter field</b>	RadGrid -> GridGroupSplitterColumn  (for grouping)	Yes	No

### Row types

Row type	Additional Information	RadGrid	ASP.NET GridView
<b>Normal/Alternating rows</b>		Yes	Yes
<b>Data rows</b>	RadGrid -> GridDataItem  GridView -> DataControlRowType.DataRow	Yes	Yes
<b>Header row</b>	RadGrid -> GridHeaderItem  GridView ->	Yes	Yes

	DataControlRowType.Header		
<b>Footer row</b>	RadGrid -> GridFooterItem  GridView ->  DataControlRowType.Footer	Yes	Yes
<b>Pager rows</b>	RadGrid -> GridPagerItem  GridView->  DataControlRowType.Pager	Yes	Yes
<b>Command row</b>	RadGrid -> GridCommandItem	Yes	No
<b>Filter row</b>	RadGrid -> GridFilteringItem	Yes	No
<b>Empty data row</b>	RadGrid -> GridNoRecordsItem  GridView ->  DataControlRowType.EmptyDataRow	Yes	Yes
<b>Separator</b>		Yes	Yes
<b>EditForm row</b>	RadGrid ->  GridEditFormItem	Yes	No
<b>Edit row</b>	RadGrid ->  GridEditableItem	Yes	No
<b>Group header row</b>	RadGrid ->  GridGroupHeaderItem	Yes	No

	(meaningful with grouping)		
<b>Nested view row</b>	RadGrid -> GridNestedViewItem  (meaningful with hierarchy)	Yes	No
<b>Status bar row</b>	RadGrid ->  GridStatusBarItem	Yes	No

## DataBinding

Method	Additional Information	RadGrid	ASP.NET GridView
<b>Declarative data sources</b>	XmlDataSource, SqlDataSource, AccessDataSource, ObjectDataSource LinqDataSource  (with automatic update/insert/delete support)	Yes	Yes
<b>Simple binding with DataBind()</b>		Yes	Yes
<b>Advanced programmatic data binding</b>	RadGrid -> NeedDataSource event	Yes	No
<b>Binding to DataTable, DataSet, DataView, Array, ArrayList, DataReader</b>		Yes	Yes

<b>Binding to SubObjects, Nullable objects</b>		Yes	No
<b>Hierarchical binding with declarative relations</b>		Yes	No
<b>Hierarchical binding handling event for detail table data population</b>		Yes	No
<b>Binding hierarchy programmatically to hierarchical XML data</b>		Yes	No
<b>Self-referencing hierarchy</b>		Yes	No
<b>Parsing grid structure from XML string with Page.ParseControl(stringWriter)</b>		Yes	Yes

### Server-Side API

<b>Events</b>	<b>Additional Information</b>	<b>RadGrid</b>	<b>ASP.NET GridView</b>
<b>CancelCommand</b>		Yes	No
<b>DeleteCommand</b>		Yes	No
<b>EditCommand</b>		Yes	No
<b>UpdateCommand</b>		Yes	No

<b>InsertCommand</b>		Yes	No
<b>ItemCommand</b>	Equivalent to RowCommand for GridView	Yes	No
<b>RowCommand</b>	Equivalent to ItemCommand for RadGrid	No	Yes
<b>SortCommand</b>		Yes	No
<b>Sorting</b>	Raised prior to the sort operation	No	Yes
<b>Sorted</b>	Raised right after the sort operation is completed	No	Yes
<b>PageIndexChanging</b>	Raised prior to the page command	No	Yes
<b>PageIndexChanged</b>		Yes	Yes
<b>SelectedIndexChanging</b>	Raised right before row selection	No	Yes
<b>SelectedIndexChanged</b>		Yes	Yes
<b>NeedDataSource</b>	Used to generate data and bind RadGrid automatically on sort/page/group/filter/edit/update/delete/insert/cancel/rebind/expand_collapse action	Yes	No
<b>GroupsChanging</b>	Fired when grouping/ungrouping is in progress	Yes	No
<b>ItemCreated</b>	Equivalent to RowCreated for GridView	Yes	No

<b>ItemDataBound</b>	Equivalent to RowDataBound for GridView	Yes	No
<b>RowCreated</b>	Equivalent to ItemCreated for RadGrid	No	Yes
<b>RowDataBound</b>	Equivalent to ItemDataBound for RadGrid	No	Yes
<b>ColumnCreating</b>	Fired for custom-defined columns in RadGrid	Yes	No
<b>ColumnCreated</b>	Fired for auto-generated columns in RadGrid	Yes	No
<b>CreateColumn Editor</b>	Fired on RadGrid custom column editors initialization	Yes	No
<b>DataBinding</b>		Yes	Yes
<b>DataBound</b>		Yes	Yes
<b>DetailTableDataBound</b>	Raised when a detail table in hierarchical RadGrid is about to be bound	Yes	No
<b>RowDeleting</b>	Raised prior to automatic delete operation in GridView	No	Yes
<b>RowDeleted</b>	Equivalent to ItemDeleted for RadGrid	No	Yes
<b>ItemDeleted</b>	Equivalent to RowDeleted for GridView	Yes	No
<b>RowUpdating</b>	Raised prior to automatic update	No	Yes

	operation in GridView		
<b>RowUpdated</b>	Equivalent to ItemUpdated for RadGrid	No	Yes
<b>ItemUpdated</b>	Equivalent to RowUpdated for GridView	Yes	No
<b>RowInserting</b>	Raised prior to automatic insert operation in GridView	No	Yes
<b>RowInserted</b>	Equivalent to ItemInserted for RadGrid	No	Yes
<b>ItemInserted</b>	Equivalent to RowInserted for GridView	Yes	No
<b>RowEditing</b>	Raised prior to edit operation	No	Yes
<b>RowCancelingEdit</b>		No	Yes
<b>Dispose</b>		Yes	Yes
<b>Init</b>		Yes	Yes
<b>Load</b>		Yes	Yes
<b>PreRender</b>		Yes	Yes
<b>Unload</b>		Yes	Yes

<b>Important Methods</b>	<b>Additional Information</b>	<b>RadGrid MasterTableView /GridTableView</b>	<b>ASP.NET GridView</b>
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<b>DataBind()</b>		Yes	Yes
<b>Rebind() (used with NeedDataSource advanced binding)</b>		Yes	No
<b>ClearEditItems()</b>		Yes	No
<b>ClearSelectedItems()</b>		Yes	No
<b>ClearChildEditItems()</b>		Yes	No
<b>ClearChildSelectedItems</b>		Yes	No
<b>DeleteRow()</b>		No	Yes
<b>ExportToExcel()</b>		Yes	No
<b>ExportToWord()</b>		Yes	No
<b>ExtractValuesFromItem(editedItem, newValues)</b>		Yes	No
<b>GetColumn(columnName)/GetColumnSafe(columnName)</b>		Yes	No
<b>GetInsertItem()</b>	Returns the item representing the insertion form	Yes	No
<b>GetItems(itemType)</b>		Yes	No



<b>InsertItem()</b>	Switches the grid in insert mode	Yes	No
<b>PerformDelete()</b>	Works with automatic operations enabled	Yes	No
<b>PerformUpdate()</b>	Works with automatic operations enabled	Yes	No
<b>PerformInsert()</b>	Works with automatic operations enabled	Yes	No
<b>Sort()</b>		No	Yes
<b>SwapColumns(columnName, columnName)</b>		Yes	No
<b>UpdateRow()</b>		No	Yes
<b>*Note</b>	The methods are cloned for the detail tables in hierarchical RadGrid	Yes	N/A

Ajax support	Additional Information	RadGrid	ASP.NET GridView
Built-in Ajax		Yes	No
ASP.NET AJAX		Yes	Yes
RadAjax		Yes	Yes

Miscellaneous	Additional Information	RadGrid	ASP.NET GridView
Right to left support		Yes	Yes

## Client Side API

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RadGrid provides rich client-side API including various client-side events.

Further information can be found in [this help topic](#), the *Client-side API reference* chapter from the online documentation:

<http://www.telerik.com/help/radcontrols/prometheus/>

And the online demos under the Client-side API and event category:

<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Overview/DefaultCS.aspx>

The ASP.NET GridView provides no client-side API.

## FEATURES THAT ARE AVAILABLE ONLY IN RadGrid:

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- Column/row/grid resizing and column reordering:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Client/Resizing/DefaultCS.aspx>
- Advanced binding through NeedDataSource event:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Programming/NeedDataSource/DefaultCS.aspx>
- Hierarchy with declarative relations and detail table event handling, several tables at a level, client/server/ajax hierarchy load modes, NestedView template:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Hierarchy/DeclarativeRelations/DefaultCS.aspx>  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Programming/DetailTableDataBind/DefaultCS.aspx>  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Hierarchy/TwoTablesAtLevel/DefaultCS.aspx>  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Hierarchy/HierarchyLoadModeMixed/DefaultCS.aspx>  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Hierarchy/NestedViewTemplate/DefaultCS.aspx>
- Self-referencing hierarchy:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Hierarchy/SelfReferencing/DefaultCS.aspx>
- Option to turn off the viewstate for the control (ControlState feature):  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Programming/ViewState/DefaultCS.aspx>
- Wider variety of pager modes (including slider), alphabetic paging, SEO paging:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/GeneralFeatures/Paging/DefaultCS.aspx>

<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Programming/Slider/DefaultCS.aspx>

<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Programming/SEOPaging/DefaultCS.aspx>

- Pager template support:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Programming/PagerTemplate/DefaultCS.aspx>
- Custom paging:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Programming/CustomPaging/DefaultCS.aspx>
- Vertical/horizontal scrolling, virtual scrolling/paging, frozen columns:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Client/Scrolling/DefaultCS.aspx>  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Client/VirtualScrollPaging/DefaultCS.aspx>  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/GeneralFeatures/FrozenColumns/DefaultCS.aspx>
- Single/multi-row selection with GridClientSelectColumn, holding [Shift]/[Ctrl] keys or dragging a region with the mouse:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Client/Selecting/DefaultCS.aspx>
- Export to Word/Excel/CSV/PDF:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/GeneralFeatures/Exporting/DefaultCS.aspx>  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/GeneralFeatures/PdfExport/DefaultCS.aspx>
- Ajaxification via RadAjaxManager/RadAjaxPanel with loading templates and automatic ajaxification for controls inside RadGrid.  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Overview/DefaultCS.aspx> (all demos)

- Filtering with filter menu options (including for template columns and in hierarchy), options for changing the filter box with other control:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Overview/DefaultCS.aspx>  
(Filtering section)
- Grouping with GroupExpressions option, client/server/ajax group load modes, group footers:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Overview/DefaultCS.aspx>  
(Grouping section)
- Auto-generated edit form with multiple columns option, WebUserControl/FormTemplate custom edit forms, Pop-up edit form, value extraction through column editors and automatically with server-side method, Edit-on-double-click:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Overview/DefaultCS.aspx> (Insert/Update/Delete section)
- Client-side delete:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Client/ClientDelete/DefaultCS.aspx>
- Command item with command item template option and flexible insert form positioning:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Programming/CommandItem/DefaultCS.aspx>
- Flexible client or server-side validation:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/DataEditing/Validation/DefaultCS.aspx>
- Skinning with single property change:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Styles/Skins/DefaultCS.aspx>

- Keyboard navigation:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Client/KeyboardNavigation/DefaultCS.aspx>
- Auto postback on row click:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Client/KeyboardNavigation/DefaultCS.aspx>
- SortExpressions collection to separate each sort expression applied, sorted columns colorization:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/Programming/Sort/DefaultCS.aspx>  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/GeneralFeatures/Sorting/DefaultCS.aspx>
- Footer aggregates, calculated columns with aggregates:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/GeneralFeatures/Aggregates/DefaultCS.aspx>  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/GeneralFeatures/CalculatedColumns/DefaultCS.aspx>
- Row templates:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/GeneralFeatures/CardView/DefaultCS.aspx>
- Various built-in column types:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Grid/Examples/GeneralFeatures/ColumnTypes/DefaultCS.aspx>

## RadInput VS ASP.NET TextBox

### Design-time support

Feature	ASP.NET Textbox	Telerik RadInput	Additional information
Smart Tag	No	Yes	-
Smart Tag – Text	No	Yes	-
Smart Tag – Empty Msg	No	Yes	-
Smart-Tag – Skin	No	Yes	-
Smart Tag – Learning Resources	No	Yes	-

### Appearance

Feature	ASP.NET Textbox	Telerik RadInput	Additional information
Color/Border/Font settings	Yes	Yes	-
CssClass	Yes	Yes	-
Skin	No	Yes	-
InvalidStyle	No	Yes	-
Button/Label Css class	No	Yes	Sets css class for the label and buttons rendered

			before and after the input (if enabled)
Behavior/state styles	No	Yes	Sets the styles for invalid input, hover effects, etc.

### Structure/Core functionality

Feature	ASP.NET Textbox	Telerik RadInput	Additional information
Label	No	Yes	Presets text before input control
AutoCompleteType	Yes	Yes	Controls autocomplete behavior
AutoPostBack	Yes	Yes	-
Columns	Yes	Yes	Sets width in characters
Enabled	Yes	Yes	-
Text/TextMode	Yes	Yes	-
Rows	Yes	Yes	Sets number of rows in multiline mode
ValidationGroup	Yes	Yes	-
ReadOnly	Yes	Yes	-

### Server Side programming



Feature	ASP.NET Textbox	Telerik RadInput	Additional information
Databinding	Yes	Yes	-
Disposed	Yes	Yes	-
Init	Yes	Yes	-
Load	Yes	Yes	-
PreRender	Yes	Yes	-
TextChanged	Yes	Yes	-
Unload	Yes	Yes	-
ChildrenCreated	No	Yes	-

### Client Side Programming

Feature	ASP.NET Textbox	Telerik RadInput	Additional information
OnValueChanging	No	Yes	-
OnValueChanged	No	Yes	-
OnFocus	No	Yes	-
OnBlur	No	Yes	-

OnButtonClick	No	Yes	-
OnKeyPress	No	Yes	-
OnDisable	No	Yes	-
OnEnable	No	Yes	-
OnError	No	Yes	-
OnLoad	No	Yes	-
OnMouseOver	No	Yes	-
OnMouseOut	No	Yes	-
OnMoveDown	No	Yes	-
OnMoveUp	No	Yes	-
OnEnumerationChanged	No	Yes	-

## FEATURES THAT ARE AVAILABLE ONLY IN RadInput:

- Focus/button position  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Input/Examples/RadTextBox/Settings/DefaultCS.aspx>
- Formatting of input  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Input/Examples/RadNumericTextBox/Formatting/DefaultCS.aspx>

- On Error handling  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Input/Examples/RadDateInput/HandleErrorEvent/DefaultCS.aspx>
- Skins:  
<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Input/Examples/Appearance/Skins/DefaultCS.aspx>
- Extensive Client Side API
- <http://www.telerik.com/DEMOS/ASPNET/Prometheus/Input/Examples/Programming/ClientSide/ApiEvents/DefaultCS.aspx>

## Three different controls, in addition to the RadTextBox control:

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### **RadNumericTextBox:**

<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Input/Examples/RadNumericTextBox/FirstLook/DefaultCS.aspx>

### **RadDateInput:**

<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Input/Examples/RadDateInput/FirstLook/DefaultCS.aspx>

### **RadMaskedTextBox:**

<http://www.telerik.com/DEMOS/ASPNET/Prometheus/Input/Examples/RadMaskedTextBox/IpAddress/DefaultCS.aspx>

## RadMenu VS ASP.NET Menu

### Design time support

Feature	Additional Information	RadMenu	ASP.NET Menu
Smart Tag		Yes	Yes
Setting Skin	AutoFormat	Yes	Yes
Learning center	Links to the help resources. Search engine. AJAX Resources	Yes	No
Edit Items	Adding items	Yes	Yes
Edit Templates		Yes	Yes
Choose DataSource		Yes	Yes
All properties can be set in the properties grid		Yes	Yes

### Appearance

Feature	Additional Information	RadMenu	ASP.NET Menu
Skins	Applying skins to the control	Yes (12 skins are provided in the installation package)	Yes (4 predefined skins)
CSS properties for	Css Classes for all the	Yes	No

each menu item	menu item's states		
Right-To-Left Support		Yes	Yes
ImageUrl		Yes	Yes
HoveredImageUrl		Yes	No
ClickedImageUrl		Yes	No
ExpandedImageUrl		Yes	No

## Databinding

Method	Additional Information	RadMenu	ASP.NET Menu
Declarative data sources that implement IHierarchicalDataSource	XmlDataSource, SiteMapDataSource	Yes	Yes
Declarative data sources that do not implement IHierarchicalDataSource or IHierarchicalEnumerable	SqlDataSource, AccessDataSource, ObjectDataSource	Yes	No
Binding to DataTable, DataSet, DataView, Array, ArrayList		Yes	No
XML String Binding		Yes	No

Web Service	Dynamically load child items through a web service	Yes	No
Context XML File		Yes	No
DataFieldID	Needed to establish menu item hierarchy	Yes	No
DataFieldParentID	Needed to establish menu item hierarchy	Yes	No
DataTextField	Populates the text property with the specified field	Yes	No
DataNavigateUrlField	Populates the NavigateUrl property with the specified field	Yes	No
DataValueField	Populates the Value property with the specified field	Yes	No

### Server-Side API

Method	Additional Information	RadMenu	ASP.NET Menu
FindItemByText		Yes	No
FindItemByUrl		Yes	No
FindItemByValue		Yes	No
GetAllItems		Yes	No

GetXml	Gets the RadMenu control structure as a XML string. Added to support the legacy XML format used in previous versions.	Yes	No
LoadContentFile	Populates the RadMenu control from external XML file. Added to support the legacy XML format used in previous versions.	Yes	No
LoadXml	Populates the RadMenu control from a XML string. Added to support the legacy XML format used in previous versions.	Yes	No

## Ajax Support

Feature	RadMenu	ASP.NET Menu
ASP.NET AJAX	Yes	No
RadAjax	Yes	Yes

## Additional Features

Client-Side API - RadMenu provides rich client-side API including various client-side events. The ASP.NET menu provides no client-side API.

[Client-Side API](#)

[Client-Side Events](#)

[Click to Open](#)

[Context Menu](#)

## RadToolTip for ASP.NET AJAX Vs browser's tooltip

### Visualisation

Feature	Additional Information	RadToolTip	Browser's tooltip
Smart Tag		Yes	No
Setting Skin	RadToolTip provides a rich CSS-based skinning mechanism which allows the user to create custom skins or to use one of the 11 preset skins.	Yes	No
Learning center	Links to the help resources. Search engine.	Yes	No
Design-time support		Yes	No
Customizing the UI	The RadToolTip serverside properties and the clientside API provide a number of options for customizing the look and feel of the windows.	Yes	No

### Functionality

Feature	Additional Information	RadToolTip	Browser's tooltip
Content	Unlike the browser's tooltip, RadToolTip can display rich content, including user controls. The content can also be set via a WebService.	Yes	Plain text only
Modality	RadToolTip provides a cross-browser modal	Yes	No



	feature that works in all major browsers.		
Events		Yes	No
Control over the position of the opened tooltip		Yes	No
Server-Side API		Yes	No

## RadTreeView VS ASP.NET treeview

### Design time support

Feature	Additional Information	RadTreeView	ASP.NET TreeView
Smart Tag	Allows additional design-time operations	Yes	Yes
Setting Skin	AutoFormat.	Yes	No
Learning center	Links to the help resources; search engine	Yes	No
Edit Nodes	Adding items	Yes	Yes
Nodes Collection Editor		Yes	Yes
Edit Templates		Yes	No
Choose Data Source		Yes	Yes
All properties can be set in the properties grid		Yes	Yes

### Appearance

Feature	Additional Information	RadTreeView	ASP.NET TreeView
Skins	Applying skins to the control.	Yes (many skins are provided in the	Yes (the skin has to be built on

		installation package)	your own)
CSS properties for each TreeNode	CSS Classes for all the TreeNodes' states	Yes	Yes
ToolTip	The text displayed when the mouse pointer hovers over the Web server control / TreeNode (inherited from WebControl)	Yes	Yes
Right-To-Left Support		Yes	Yes (dir="rtl" need to be set in the <body> tag)

### Data Binding

Method	Additional Information	RadTreeView	ASP.NET TreeView
Declarative data sources	XmlDataSource, SiteMapDataSource, SqlDataSource, AccessDataSource, ObjectDataSource	Yes	Yes
Binding to DataTable, DataSet, DataView, Array, ArrayList		Yes	Yes
Content XML File	A formatted XML File	Yes	No
XML String	A formatted XML string (same format as the	Yes	No

	XML File)		
Populating through a Web Service		Yes	No

### Server-Side API

Event	Additional Information	RadTreeView	ASP.NET TreeView
NodeClick	Fired when the TreeNode is clicked	Yes	No
NodeDataBound	Fired when the TreeNode is being bound	Yes	Yes (TreeNodeDataBound)
NodeCheck	Fired when a TreeNode is checked	Yes	Yes (TreeNodeCheckChanged)
NodeEdit	Fired when a TreeNode is being edited	Yes	No
NodeCollapse	Fired when a TreeNode is being collapsed	Yes	No
ContextMenuItemClick	Fired when a Context Menu Item is clicked	Yes	No
NodeCreated	Fired when a TreeNode is being created	Yes	No
NodeDrop	Fired when a TreeNode is	Yes	No

	dropped		
NodeExpand	Fired when a TreeNode is being expanded	Yes	Yes (TreeNodePopulate)
SelectedNodeChanged	Fired when the selected Node is changed	No	Yes
TreeNodeExpanded	Fired when the TreeNode is expanded	No	Yes
TreeNodeCollapsed	Fired when the TreeNode is collapsed	No	Yes

Method	Additional Information	RadTreeView	ASP.NET TreeView
AddNode	Adds a TreeNode at the root level	No	No
ClearCheckedNodes	Clears all checked TreeNodes	Yes	No
ClearSelectedNodes	Clears all selected TreeNodes	Yes	No
CollapseAllNodes	Closes every node in the tree	Yes	Yes (CollapseAll)
ExpandAllNodes	Opens every node in the tree	Yes	Yes (ExpandAll)

FindNodeByText	Returns the first instance of the Node (RadTreeNode) with the specified Text or null if no node is found	Yes	No
FindNodeByValue	Returns the first instance of the node (RadTreeNode) with the specified Value or null if no node is found	Yes	No
FindNodeByUrl	Returns the first instance of the node (RadTreeNode) with the specified Url or null if no node is found	Yes	No
FindNodeByAttribute	Returns the first instance of the node (RadTreeNode) with the specified Attribute and Attribute Value or null if no node is found	Yes	No
GetAllNodes	Gets a linear generic list of ALL nodes in the current TreeView instance	Yes	No
GetContextMenusXml	Gets the current state of TreeView's context menus as XML string.	No	No
GetXml	Gets the current state of TreeView as XML string	Yes	No

LoadContentFile	Populates TreeView from XML content File at runtime	Yes	No
LoadContextMenusXmlString	Populates ContextMenus from XML String	No	No
LoadXmlString	Populates TreeView from XML String	Yes	No
Populate	Populates the treeview with a Sql String Query and a connection	No	No

## Ajax Support

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RadTreeView provides full MS Ajax support.

MS TreeView experiences certain problems against MS Ajax and JS errors are often thrown.

## Additional Features

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- Client-Side API - RadTreeView provides rich client-side API including various client-side events. The ASP.NET TreeView provides no client-side API.

[Client-Side API](#)

[Client-Side Events](#)

- Templates - [Global and Per Node templates](#)
- Context Menus - [Built-in Context Menus](#)
- [Node Text Editing](#) - RadTreeView supports client-side Node Editing
- [Enhanced Drag and Drop behavior](#) - RadTreeView supports dragging onto other nodes, between other nodes, to other trees and onto any HTML element.
- [Custom Attributes](#)

- [Cross-Page PostBacks](#) - which let you direct PostBacks from the node of a RadTreeView to a different Web page.
- [Multi-Node Selection](#) - RadTreeView supports multiple-select mode, which allows you to select more than one node at once.
- [Populating from XML](#) - You can populate RadTreeView programmatically at runtime in various ways. One of them is to use a generated XML string and pass it to the **LoadXmlString** method.
- AJAX based [Load-On-Demand](#) - Support for faster performance when the RadTreeView has many items.
- [Node populating from a Web Service](#) - You can populate RadTreeView at the client on demand by making a request to a WebService.



## RadUpload vs MS FileUpload

*RadUpload for ASP.NET AJAX uses the standard HTML File Upload control and enhances its features.*

### Design-time support

	Description	RadUpload	MS FileUpload
<b>1. Visualization</b>			
1.1. Design Time support	RadUpload is visible, but is not displayed as at runtime.	Yes	Yes
1.1.1. Smart Tags	In design time, RadUpload provides Skin chooser and clickable links to useful product related information :  <a href="#">RadUpload live examples, help, CodeLibrary section</a>	Yes	No
1.2. Skinning	RadUpload has various skins	Yes	No
1.3. UI Customization	RadUpload provides the ability to show/hide the UI buttons and checkboxes	Yes	No
1.3.1. "Add Button" - Adding new file input for multiple file upload	RadUpload provides the ability to add new file inputs for multiple file uploads. This is because we add the <input type=file> elements on the client, which has certain limitations – no template support, no design time support, etc...	Yes	No
1.3.2. "Remove		Yes	No

Button" - Removing a file input for multiple file upload			
1.4. Localization	RadUpload provides the ability to change the text of the labels of the control	Yes	No
<b>2. File Saving</b>			
2.1. Standard File Saving	The developer has to implement his own logic for saving the uploaded files to the server	Yes	Yes
2.2. Automatic File Saving	RadUpload provides two properties that allow auto file saving: TargetFolder and <b>TargetPhysicalFolder</b> . Thus the file is directly uploaded to the specified virtual or physical folder.	Yes	No
2.3. Multiple File upload	RadUpload - multiple files are uploaded with a single click. MS FileUpload - you need to add FileUpload controls to the page if you want to upload several files with single click.	Yes	No
2.4. Memory Optimization -	RadUpload allows uploading of files up to 2GB. For ASP:FileUpload, however, you could enable it using RadUpload or another third party component	Yes	Yes
<b>3. File Validation</b>			
3.1. Automatic extensions, mime-types and size validation		Yes	No

<p>3.2. Other validation - should be implemented by the developer</p>	<p>RadUpload - provides easy to use client and server side api for implementing validation</p>	<p>Yes</p>	<p>Yes</p>
<p><b>4. Progress Area</b> - you can monitor the progress of any file being uploaded</p>	<p>RadUpload - customizable; with very small amount of server-side code you can monitor the progress of any measurable server-side process, such as mathematical calculations or database queries. MS FileUpload - you can use the integrated in RadUpload progress monitoring features</p>	<p>Yes</p>	<p>No</p>
<p><b>5. Addition Features</b></p>			
<p>5.1.Adding custom fields to each file input</p>	<p>RadUpload provides the ability to add custom fields to each file input. Using this functionality you can add fields like Title, Description, etc. to each file, uploaded with RadUpload. MS FileUpload - you do not need custom fields since you can add them directly on the page</p>	<p>Yes</p>	<p>No</p>

## RadWindow for ASP.NET AJAX Vs Browser's popup (window.open())

### Visualisation

Feature	Additional Information	RadWindow	Browser's popup
Smart Tag		Yes	No
Setting Skin	RadWindow provides a rich CSS based skinning mechanism which allows the user to create custom skins or to use one of the 11 preset skins.  RadWindow for ASP.NET AJAX supports having multiple skins for RadWindow on the same page.	Yes	No
Learning center	Links to the help resources. Search engine.	Yes	No
Design-time support	RadWindows's manager is visualised in design time and RadWindows can be added via the RadWindowManagers collection editor	Yes	No
Customizing the UI	The RadWindow serverside properties and the clientside API provide a number of options for customizing the look and feel of the windows.  With the browser's popup users can set various elements' visibility by using the extra flags in the window.open() function	Yes	Yes
Customizable alert, prompt and confirm dialogs	radalert, radprompt and radconfirm's look can be controlled and fully customized via templates.	Yes	No

## Functionality

Feature	Additional Information	RadWindow	Browser's popup
Modality	RadWindow provides a cross-browser modal feature that works in all major browsers.	Yes	Only in IE
Minimizing in a pre-defined area	RadWindows can be minimized in a pre-set container element (DIV /SPAN) on the page.  Browser's popups are only minimized in the RadWindow's taskbar	Yes	No
Restricting in pre-defined area	RadWindow's movement and resizing can be restricted to a pre-set container element (DIV /SPAN) on the page.	Yes	No
Multiple windows existing in the same page	One of the main features of RadWindows is the ability to provide desktop-like experience by showing several RadWindow objects on the page, grouping them and minimizing them in a pre-set area	Yes	No
Events	RadWindow has more events than the browser popup, and provides richer flexibility.	Yes	Yes
Control over the position of the opened window		Yes	Yes
Interaction popups – alert, prompt, confirm	radalert, radprompt and radconfirm cannot block the execution of the thread on the server. That is why a Callback function is needed.	Yes	Yes
Interaction		Yes	Yes

between windows			
Keyboard support		Yes	No
Server-Side API		Yes	No