

RadGrid VS ASP.NET GridView

Design time support

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

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

Column types

Column type	Additional Information	RadGrid	ASP.NET GridView
Bound field	RadGrid -> GridBoundColumn GridView -> BoundField	Yes	Yes
Checkbox field	RadGrid -> GridCheckBoxColumn GridView -> CheckBoxField	Yes	Yes
HyperLink field	RadGrid ->	Yes	Yes

	<p>GridHyperLinkColumn</p> <p>GridView -></p> <p>HyperLinkField</p>		
<p>Button field/ Command field</p>	<p>RadGrid -></p> <p>GridButtonColumn, GridEditCommandColumn</p> <p>GridView -></p> <p>ButtonField, CommandField</p>	Yes	Yes
<p>Dropdown field</p>	<p>RadGrid -></p> <p>GridDropDownColumn</p>	Yes	No
<p>Template field</p>	<p>RadGrid -> GridTemplateColumn</p> <p>GridView -></p> <p>TemplateField</p>	Yes	Yes
<p>Image field</p>	<p>GridView -></p> <p>ImageField</p>	No	Yes
<p>CheckBox Select field</p>	<p>RadGrid -></p> <p>GridClientSelectColumn</p>	Yes	No
<p>Client Delete field</p>	<p>RadGrid -></p> <p>GridClientDeleteColumn</p>	Yes	No
<p>ExpandCollapse field</p>	<p>RadGrid -> GridExpandCollapseColumn (for hierarchical/grouping)</p>	Yes	No

Row indicator field	RadGrid -> RowIndicatorColumn (for row resizing)	Yes	No
Group splitter field	RadGrid -> GridGroupSplitterColumn (for grouping)	Yes	No

Row types

Row type	Additional Information	RadGrid	ASP.NET GridView
Normal/Alternating rows		Yes	Yes
Data rows	RadGrid -> GridDataItem GridView -> DataControlRowType.DataRow	Yes	Yes
Header row	RadGrid -> GridHeaderItem GridView -> DataControlRowType.Header	Yes	Yes
Footer row	RadGrid -> GridFooterItem GridView -> DataControlRowType.Footer	Yes	Yes
Pager rows	RadGrid -> GridPagerItem	Yes	Yes

	GridView-> DataControlRowType.Pager		
Command row	RadGrid -> GridCommandItem	Yes	No
Filter row	RadGrid -> GridFilteringItem	Yes	No
Empty data row	RadGrid -> GridNoRecordsItem GridView -> DataControlRowType.EmptyDataRow	Yes	Yes
Separator		Yes	Yes
EditForm row	RadGrid -> GridEditFormItem	Yes	No
Edit row	RadGrid -> GridEditableItem	Yes	No
Group header row	RadGrid -> GridGroupHeaderItem (meaningful with grouping)	Yes	No
Nested view row	RadGrid -> GridNestedViewItem (meaningful with hierarchy)	Yes	No
Status bar row	RadGrid -> GridStatusBarItem	Yes	No

DataBinding

Method	Additional Information	RadGrid	ASP.NET GridView
Declarative data sources	XmlDataSource, SqlDataSource, AccessDataSource, ObjectDataSource (with automatic update/insert/delete support)	Yes	Yes
Simple binding with DataBind()		Yes	Yes
Advanced programmatic data binding	RadGrid -> NeedDataSource event	Yes	No
Binding to DataTable, DataSet, DataView, Array, ArrayList, DataReader		Yes	Yes
Binding to SubObjects, Nullable objects		Yes	No
Hierarchical binding with declarative relations		Yes	No
Hierarchical binding handling event for detail table data population		Yes	No
Binding hierarchy programmatically to hierarchical XML data		Yes	No
Self-referencing hierarchy		Yes	No

Parsing grid structure from XML string with Page.ParseControl(stringWriter)		Yes	Yes
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Server-Side API

Events	Additional Information	RadGrid	ASP.NET GridView
CancelCommand		Yes	No
DeleteCommand		Yes	No
EditCommand		Yes	No
UpdateCommand		Yes	No
InsertCommand		Yes	No
ItemCommand	Equivalent to RowCommand for GridView	Yes	No
RowCommand	Equivalent to ItemCommand for RadGrid	No	Yes
SortCommand		Yes	No
Sorting	Raised prior to the sort operation	No	Yes
Sorted	Raised right after the sort operation is completed	No	Yes
PageIndexChanging	Raised prior to the page command	No	Yes
PageIndexChanged		Yes	Yes

SelectedIndexChanged	Raised right before row selection	No	Yes
SelectedIndexChanged		Yes	Yes
NeedDataSource	Used to generate data and bind RadGrid automatically on sort/page/group/filter/edit/update/delete/insert/cancel/rebind/expand_collapse action	Yes	No
GroupsChanging	Fired when grouping/ungrouping is in progress	Yes	No
ItemCreated	Equivalent to RowCreated for GridView	Yes	No
ItemDataBound	Equivalent to RowDataBound for GridView	Yes	No
RowCreated	Equivalent to ItemCreated for RadGrid	No	Yes
RowDataBound	Equivalent to ItemDataBound for RadGrid	No	Yes
ColumnCreating	Fired for custom-defined columns in RadGrid	Yes	No
ColumnCreated	Fired for auto-generated columns in RadGrid	Yes	No
CreateColumn Editor	Fired on RadGrid custom column editors initialization	Yes	No
DataBinding		Yes	Yes

DataBound		Yes	Yes
DetailTableDataBound	Raised when a detail table in hierarchical RadGrid is about to be bound	Yes	No
RowDeleting	Raised prior to automatic delete operation in GridView	No	Yes
RowDeleted	Equivalent to ItemDeleted for RadGrid	No	Yes
ItemDeleted	Equivalent to RowDeleted for GridView	Yes	No
RowUpdating	Raised prior to automatic update operation in GridView	No	Yes
RowUpdated	Equivalent to ItemUpdated for RadGrid	No	Yes
ItemUpdated	Equivalent to RowUpdated for GridView	Yes	No
RowInserting	Raised prior to automatic insert operation in GridView	No	Yes
RowInserted	Equivalent to ItemInserted for RadGrid	No	Yes
ItemInserted	Equivalent to RowInserted for GridView	Yes	No
RowEditing	Raised prior to edit operation	No	Yes
RowCancelingEdit		No	Yes
Dispose		Yes	Yes
Init		Yes	Yes

Load		Yes	Yes
PreRender		Yes	Yes
Unload		Yes	Yes

Important Methods	Additional Information	RadGrid MasterTableView/ GridTableView	ASP.NET GridView
DataBind()		Yes	Yes
Rebind() (used with NeedDataSource advanced binding)		Yes	No
ClearEditItems()		Yes	No
ClearSelectedItems()		Yes	No
ClearChildEditItems()		Yes	No
ClearChildSelectedItems		Yes	No
DeleteRow()		No	Yes
ExportToExcel()		Yes	No
ExportToWord()		Yes	No
ExtractValuesFromItem(editedIte		Yes	No

m, newValues)			
GetColumn(columnName)/GetColumnSafe(columnName)		Yes	No
GetInsertItem()	Returns the item representing the insertion form	Yes	No
GetItems(itemType)		Yes	No
InsertItem()	Switches the grid in insert mode	Yes	No
PerformDelete()	Works with automatic operations enabled	Yes	No
PerformUpdate()	Works with automatic operations enabled	Yes	No
PerformInsert()	Works with automatic operations enabled	Yes	No
Sort()		No	Yes
SwapColumns(columnName, columnName)		Yes	No
UpdateRow()		No	Yes
*Note	The methods are cloned for the detail tables in	Yes	N/A

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

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

Client-Side API

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/aspnet/grid/>

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

<http://www.telerik.com/demos/aspnet/Grid/Examples/Overview/DefaultCS.aspx>

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

FEATURES THAT ARE AVAILABLE ONLY IN RADGRID

1. Column/row/grid resizing and column reordering:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Client/Resizing/DefaultCS.aspx>

2. Advanced binding through NeedDataSource event:

<http://www.telerik.com/demos/aspnet/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:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Hierarchy/DeclarativeRelations/DefaultCS.aspx>

<http://www.telerik.com/demos/aspnet/Grid/Examples/Programming/DetailTableDataBind/DefaultCS.aspx>

<http://www.telerik.com/demos/aspnet/Grid/Examples/Hierarchy/TwoTablesAtLevel/DefaultCS.aspx>

<http://www.telerik.com/demos/aspnet/Grid/Examples/Hierarchy/HierarchyLoadModeMixed/DefaultCS.aspx>

3. Self-referencing hierarchy:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Hierarchy/SelfReferencing/DefaultCS.aspx>

4. Light viewstate mode (DataSourcePersistenceMode = NoPersistence):

<http://www.telerik.com/demos/aspnet/Grid/Examples/Programming/ViewState/DefaultCS.aspx>

5. Wider variety of pager modes (including slider), alphabetic paging, SEO paging:

<http://www.telerik.com/demos/aspnet/Grid/Examples/GeneralFeatures/Paging/DefaultCS.aspx>

<http://www.telerik.com/demos/aspnet/Grid/Examples/Programming/Slider/DefaultCS.aspx>

<http://www.telerik.com/demos/aspnet/Grid/Examples/Programming/SEOPaging/DefaultCS.aspx>

6. Pager template support:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Programming/PagerTemplate/DefaultCS.aspx>

7. Custom paging:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Programming/CustomPaging/DefaultCS.aspx>

8. Vertical/horizontal scrolling, virtual scrolling/paging:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Client/Scrolling/DefaultCS.aspx>

<http://www.telerik.com/demos/aspnet/Grid/Examples/AJAX/VirtualScrollPaging/DefaultCS.aspx>

9. Single/multi-row selection with GridClientSelectColumn, holding [Shift]/[Ctrl] keys or dragging a region with the mouse:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Client/Selecting/DefaultCS.aspx>

10. Export to Word/Excel:

<http://www.telerik.com/demos/aspnet/Grid/Examples/GeneralFeatures/Exporting/DefaultCS.aspx>

11. AJAX mode with loading templates and automatic ajaxification for controls inside RadGrid:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Overview/DefaultCS.aspx> (AJAX section)

12. 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/Grid/Examples/Overview/DefaultCS.aspx>

(Filtering section)

13. Grouping with GroupExpressions option, client/server/ajax group load modes:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Overview/DefaultCS.aspx>

(Grouping section)

14. Auto-generated edit form with multiple columns option, WebUserControl/FormTemplate custom edit forms, value extraction through column editors and automatically with server-side method, Edit-on-double-click:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Overview/DefaultCS.aspx>

(Insert/Update/Delete section)

15. Client-side delete:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Client/ClientDelete/DefaultCS.aspx>

16. Command item with command item template option:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Programming/CommandItem/DefaultCS.aspx>

17. Flexible server-side validation:

<http://www.telerik.com/demos/aspnet/Grid/Examples/DataEditing/Validation/DefaultCS.aspx>

18. Skinning with single property change:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Styles/Skins/DefaultCS.aspx>

19. Keyboard navigation:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Client/KeyboardNavigation/DefaultCS.aspx>

20. Auto postback on row click:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Client/PostbackOnClientRowClick/DefaultCS.aspx>

21. SortExpressions collection to separate each sort expression applied:

<http://www.telerik.com/demos/aspnet/Grid/Examples/Programming/Sort/DefaultCS.aspx>