

## Application Aspect

### Hierarchical DataGridView v1.7

Hierarchical DataGridView is a brand new Windows Forms component that extends DataGridView component included in Microsoft .NET Framework 2.0 and .Net Framework 3.5. It is a unique grid control that organizes, edits and displays data in hierarchical form.

Hierarchical DataGridView can be seen as a mixture of Visual Studio 2005 or Visual Studio 2008 DataGridView, Microsoft Project or Microsoft Access data table and simple Excel sheet.



*Flexibility. Simplicity. Creativity.* "Our business philosophy relies on these three principles.

We believe these three ideas influence each other and give a deeper sense of purpose to our work which is to build easy to use, smart and flexible controls for .NET Framework. Our goal is to make your job easier and shorter. We choose .NET Framework because we believe this technology is the best way to build fast and stable applications.

## PRICING

PRODUCT	PRICE
Hierarchical DataGridView - 1 Developer License	130,00 USD
Hierarchical DataGridView - 4 Developers License Pack	390,00 USD
Hierarchical DataGridView - 8 Developers License Pack	780,00 USD
Hierarchical DataGridView - Enterprise License	1300,00 USD

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## OVERVIEW

### Where you can use Hierarchical DataGridView?

- project management
- organizational structures
- task management
- file and directory browsing
- geographical data

### How does Hierarchical DataGridView work?

After setting DataSource property and some more additional properties (PrimaryKeyColumnName, HierarchicalColumnName and RootValue), control is automatically displaying data in hierarchical form in the following way:

1. Creating internal table (System.Data.DataTable) that contains a copy of data set with DataSource property.
2. Expanding internal table with additional columns in which data needed for hierarchy viewing is being generated and saved.
3. Processing data set with DataSource property, using information set with PrimaryKeyColumnName, HierarchicalColumnName and RootValue, and filling additional columns of internal table with specific values. Data that is set by user is not being altered in any way during this process.
4. Adjusting DataSource property to DataGridView control so that it points to a recreated and filled internal table.

Drawing control based on information stored in internal table and used for rendering the elements of hierarchy.

The control is intended for all those users who need:

- Adaptable and efficient view of smaller amount of hierarchically organized data
- View of hierarchy without additional time spent on developing and filling in respective data structures
- View of data from various data sources (MS SQL Server, MS Access, XML and all the other sources to which the user can connect through ADO.NET)
- Simple and flexible control that does exactly what its name says: displaying hierarchically organized data

## FEATURES

A special feature of Hierarchical DataGridView is its ability to analyze, process and display hierarchical data created in a flat structure (typically in System.Data.DataTable). At the same time developer does not have to make an effort to prepare and transform the data that he, for example, has got from relational database, into a form suitable for hierarchical viewing (e.g., he does not have to build and fill any collection of nodes, that reflects data hierarchy, to enable the viewing of data in this control).

### General Features

- Customizable table for displaying hierarchical data
- Not a single line of program code needs to be written in order to display hierarchy
- The style of data displaying and the look of Hierarchical DataGridView control are entirely adjustable
- Simple usage – all required features can be set up in graphic environment
- Shows data from any source by using ADO.NET and DataTable objects
- Bound, Unbound and Virtual mode
- Customizable style appearance and behavior
- Full customization of columns, rows, cells and borders

### Special Features:

- This component supports direct data editing, arbitrary sorting and rearranging of columns without losing the hierarchical view
- Before / After events allow unlimited flexibility when using hierarchy
- The possibility of automatic data sorting without losing the hierarchical view
- Advanced sorting possibility with the ability to use custom sort indicators in column headers
- Conformed with Microsoft.NET Framework Design Guidelines
- Analyzed with Microsoft FxCop tool - Hierarchical DataGridView component has fulfilled all requirements

Hierarchical DataGridView control supports data binding to any data source that implements IList, IListSource, IBindingList and IBindingListView interfaces such as BindingSource, Collections, Lists, Business Objects, etc. Binding to Nullable Data Types are also supported.