

Description: Guide to configuring the runtime user interface of the Data Mining ActiveX.

OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7

General Requirement: Active Data Mining Configuration.

Introduction

The ICONICS Data Mining Control ActiveX allows you to look at data in a database table from a GraphWorX32 display. With a little bit of scripting you can even add, delete, or change a record using your display. You can connect the ActiveX to display an MS SQL, MS Access, MySQL, or Oracle database for viewing and manipulation.

In this document, we will concentrate on the configuration of user interfaces that will be available in runtime. If you are not familiar with setting up ADO or Data Mining connection of the ActiveX and retrieving data, refer to application note “Data Mining Control ActiveX – Data Connection”.

Inserting the Data Mining ActiveX

1. Open GraphWorX32 by going to Start → Programs → ICONICS GENESIS32 → GraphWorX32 → GraphWorX32
2. Insert the Data Mining Control ActiveX by clicking on ICONICS Data Mining Control ActiveX button  on the ActiveX toolbar.
3. Double-click on the ActiveX to bring up the properties window.

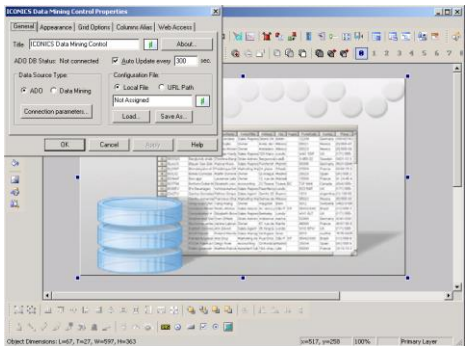


Figure 1 - Data Mining ActiveX Properties

Configuring the Runtime User Interface

Appearance Tab

The Appearance tab of the Data Mining ActiveX Properties dialog box determines how the data grid looks in runtime mode. The Preview window allows you to see your changes in configuration mode.

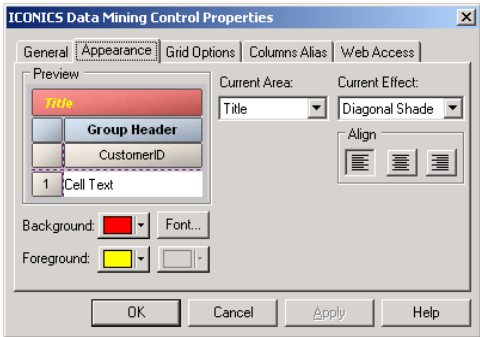


Figure 2 - Appearance Configuration Properties

Under **Current Area**, select a data grid item to configure (Title, Headers, Group Headers, Cell Text, or Background) and then configure the appearance of the item.

NOTE: You can also click in the appropriate area in the *Preview* to select it.

The colors section allows you to choose colors for the **background of the display**, the **background color of the text**, the **background color of the header** and the **foreground text color**. Select colors for the Background and Foreground by clicking the color palettes. For the background, you can also choose the **color of the horizontal and vertical grid lines** in the data grid. A Color box appears, allowing you to choose a preconfigured color or to create your own color using the *Other* button.

For **Title**, **Cell Text**, **Headers**, and **Group Headers**, click the **Font** button to specify the font size, style, and text effects (i.e. underline and strikethrough) for the data grid.

For **Title**, **Cell Text**, **Headers**, and **Group Headers** the **Align** buttons determine the justification (left, center or right) of the text.

For **Title**, **Headers**, and **Group Headers** you can apply various stylistic graphical effects (e.g. bumps, gradients, and shading) by selecting from the drop-down list under **Current Effect**.

For the **Background**, you can select **Line Style** (e.g. solid, dashed, dotted, etc.) for both Horizontal and Vertical grid lines that appear in the data grid.

Grid Options Tab

This tab allows you to enable/disable the following runtime features:

- Show Grid Row Headers (default)
- Show Grid Column Headers (default)
- Show Group Headers
- Enable Popup Toolbar (default)

- Enable Sorting action on grid header double click (default)
- Auto Fit Columns
- Invert colors for selected cells
- Print Custom Header

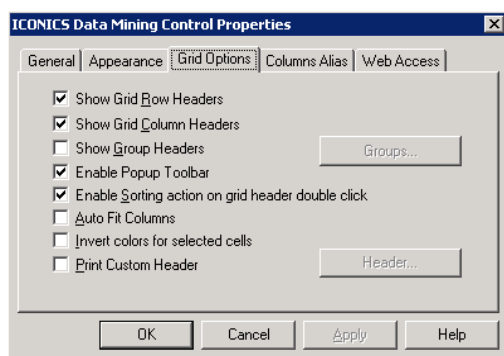


Figure 3 - Grid Options Properties

Group Headers are second level headers you can create above any number of cells. Once you enable this feature, you can configure your groups in a separate dialog accessed via the **Groups...** button. You only need to specify its title and number of spanned columns.

Popup Toolbar option will allow you to open a toolbar by a double-click on the grid title area or any cell. The toolbar contains almost the same features as a context pop up menu (i.e. Refresh Grid, Export to CSV, Print) apart from the sorting function which is limited to *Unsort* in the context menu.

NOTE: When "Enable Sorting action on grid header double click" option is off, double clicking on the grid header would pop up the toolbar as well.

When you select cells in runtime, they are rendered with 20% darker background by default. If you enable the **Invert colors for selected cells** option, the colors of the cells will be inverted.

Columns Alias Tab

The Columns Alias tab allows you to create column header names and associate each name with a column that is displayed in the Data Mining ActiveX Grid. You can also create "smart" aliases that allow you to substitute some text or an image for a value or a string in the selected column or change its background color.

Adding a column alias

1. On the Columns Alias tab, click the **Add Alias** button.
2. This opens the **Column Alias Property** dialog box. Check the Header Alias check box. In the **Alias Name** field, specify a column name or click the # button to select a global alias from the global alias browser. Then specify a

Column Position number, which corresponds to the position of the column where the alias will be applied in the Grid display. You can also specify the justification (left, right, or center) of the alias text in the column.

NOTE: With column aliasing, you can define aliases for the columns that you need. Column positions do not need to be sequential. For example, you could define two aliases: one for column position 3 and another for column position 13.

If you want to create a smart alias, you can continue with the Alias configuration in the following way:

3. Click on the checkbox **Smart Alias**
4. Click on **Add Condition** button and select **Value Type** and **Operator** from a drop-down menu.
5. Enter a **Value** that will be compared to all values in the column. If the result is true, the selected action is performed.
6. Select **Action Type** from a drop-down menu consisting of **Image**, **Text**, **Set cell colors** and **Set row colors** options.
7. Select or type in the appropriate parameter (i.e. color, picture, or string) under **Action value**.

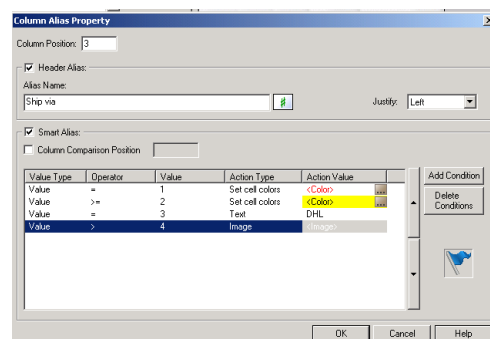


Figure 4 - Column Alias Configuration

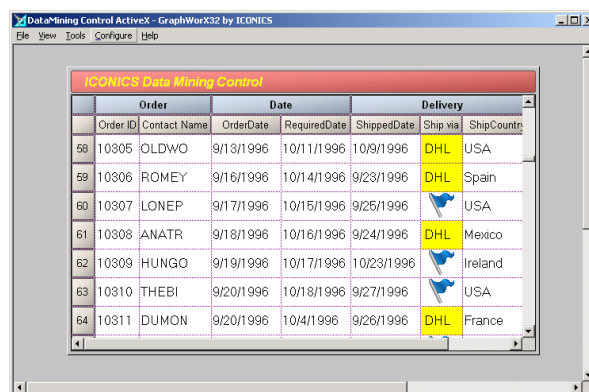


Figure 5 - Data Mining ActiveX in Runtime

NOTE: In the Columns Alias tab, you can also set up a "smart" alias that will compare the values of two different columns. If a value in the column is also contained by the column specified in **Column Comparison Position** field, then the selected action will be applied on that value.