What's new in EhLib.VCL 10.1

(New features of your applications)

Brief description of new features in this version:

* Acceleration of data loading into TXlsMemFileEh.
* A way to highlight selected cells in DBGridEh.
* Dialogue for configuring the columns of the DBGridEh.
* Ability to display cells as buttons in DBGridEh.
* New properties in the TCellButtonEh class and new possibilities for displaying CellButtons in grid cells
* Other improvements and changes

# ***Acceleration of data loading into TXlsMemFileEh***

Changed algorithm and accelerated data loading in TXlsMemFileEh class from xlsx files.

Acceleration of loading on data with more than 100'000 rows of records can reach two orders of magnitude.

The algorithm change affects the TXlsMemFileEh.LoadFromFile method and the TXlsFileReaderEh class.

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| EhLib 10.0 | EhLib 10.1 |

# ***A way to highlight selected cells in DBGridEh***

The way of highlighting cells has been changed in DBGridEh.

In Grid.SelectionStyle = gsdsClassicEh mode, the row highlight in RowHighlight mode is brighter so that it can be easily seen on monitors with low contrast.

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| EhLib 10.0 | EhLib 10.1 |

Now the highlighting in the RowHighlight mode is carried out through a semi-transparent color under which the background color of the cell is visible.

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| EhLib 10.0 | EhLib 10.1 |

# ***Dialogue for configuring the columns of the DBGridEh.***

In DBGridEh, to change the list of displayed columns, instead of a drop-down list with checkmarks, a full-fledged dialog box is displayed with the ability to select columns to hide / show, change the order of columns and set the width.

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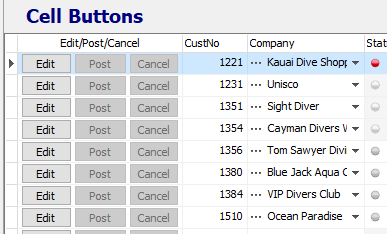
# ***Ability to display cells as buttons in DBGridEh***

Added the ability to display a cell as a button in DBGridEh. Multiple buttons can also be displayed in a cell.

This setting is done using the TColumnEh.CellButtons collection.

To display the button or buttons in the cell's content area, set the CellButton.HorzPlacement property to ebhpInContentEh.

In the following screenshot, the first column displays three CellButtons with the CellButton.HorzPlacement = ebhpInContentEh property set. Using the CellButton.OnGetEnabledState event, properties are set to deactivate buttons depending on the edit status of the current record.



# ***New properties in the TCellButtonEh class and new possibilities for displaying CellButtons in grid cells***

New properties in the TCellButtonEh class and new possibilities for displaying CellButtons in grid cells.

AutoFade: Boolean

Make the button image faded when the mouse cursor is not over the button. The default is True.

Caption: String

The content of the button as text. If this property is set, then the button icon specified by the Style property is not used.

HorzPlacement: TEditButtonHorzPlacementEh

Specifies the position of the button within the grid cell.

ebhpLeftEh on the left side of the cell.

ebhpRightEh on the right side of the cell.

ebhpInContentEh in the cell's content area. In this case, the content of the cell specified by the TColumnEh.FieldName property is not displayed.

Margins: TPaddings

Margins from the edges of the button.

# ***Other improvements and changes***

## New property in the TDrawSpanItemArgsEh class

The Font property has been added to the TDrawSpanItemArgsEh class. Now, in the TPlannerControlEh component, when drawing a planning item in the OnDrawSpanItem event, you can change the Font parameters.

## Displaying EditButtons

Displaying EditButtons in controls like TDBEditEh, TDBNumberEditEh, etc. changed to visually appear the same size on Windows 10.

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| Editing Buttons in EhLib 10.0 | Editing Buttons in EhLib 10.1 |

## New units

The following new modules have been added to the library:

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| DBGridEhCustomizeColumnsDialogs | Dialog form for configuring columns in the grid. |
| XmlDocsEh | Classes for storing data in the form of an Xml tree. Unlike standard classes from XMLDoc, classes from XmlDocsEh are simpler, some features of the XML language are not supported, but they work faster. |
| XmlReaderWriterEh | Classes for reading / writing data in the form of Xml. Classes from XmlReaderWriterEh are sharpened for fast reading and writing of large amounts of data. However, some features such as XML Namespaces are not supported. |
| ButtonsEh | Classes that implement the work of simple on-screen buttons. Classes from ButtonsEh are used only inside the library. |

## Functions for calculating the aggregated functions Minimum and Maximum have been added to the TDBSumList class.

Functions for calculating the aggregated functions Minimum and Maximum have been added to the TDBSumList class.

The goMin, goMax values have been added to the TGroupOperation type.

Added fvtMin, fvtMax values to TFooterValueType (DBGridEh.Column.Footer.ValueType).

## In the TDBSumList class, the field type for calculating aggregated values has been changed.

In the TDBSumList class, the calculation of aggregated values has been changed from the Currency type to the TBcd type.

The limitation of 4 decimal places on aggregated values has been removed.

Field type TDBSumList.SumCollection[i].SumValue changed from Currency to Variant.