

eQuality Lotus Notes ActiveX Grid Control

Methods and Properties Reference

Properties of the table in general:

Name	Data type	Def	Type	Description
AllowDraw	Boolean	True	R/W	Allow redrawing of Grid in all actions Put this to false before any massive actions and set true after that.
Cols	Integer	10	R/W	General number of columns
Rows	Integer	10	R/W	General number of rows
FixedCols	Integer	1	R/W	Number of fixed (grey) columns
FixedRows	Integer	1	R/W	Number of fixed (grey) rows
TabStop	Boolean	True	R/W	If True then when user hits Tab, then focus is switched to another object, otherwise processed by control
FixedFont	OLE Font	MS Sans Serif	R/W	Font for fixed cells (*)
SelectedCellFont	OLE Font	MS Sans Serif	R/W	Font for current cell (**)
SelectedRangeFont	OLE Font	MS Sans Serif	R/W	Font for the cells of selected region (***)

FixedColor	OLEColor	C8D0D4	R/W	Fill color for fixed elements
SelectedCellColor	OLEColor	FFFFFF	R/W	Fill color for current cell
SelectedRangeColor	OLEColor	6A240A	R/W	Fill color for selected region
FixedWordWrap	TWordWrap	Yes	R/W	Word wrapping for fixed cells
EditMultiline	Boolean	True	R/W	Possibility of multi-line edit for editors of type ED_EDIT without ED_CAL and ED_COMBO
DrawSelection	Boolean	True	R/W	Display of selected region (is not applicable if RangeSelect = FALSE)
ShowCellHint	Boolean	True	R/W	Show of pop-up prompts
AutoAdjustLastCell	Boolean	True	R/W	Automatic adjustment of cells size after editing
BorderStyle	TborderStyle	Single	R/W	Type of control border
RangeSelect	Boolean	True	R/W	Possibility to select range
ColSizing	Boolean	True	R/W	Possibility for user to adjust columns width
RowSizing	Boolean	True	R/W	Possibility for user to adjust rows height
ScrollBars	TscrollBars	Both	R/W	Type of scroll bar
SelectionLeftTopX	Integer	-1	R/W	X-axis coordinate of the top left corner of selected region

SelectionLeftTopY	Integer	-1	R/W	Y-axis coordinate of the top left corner of selected region
SelectionRightBottomX	Integer	-1	R/W	X-axis coordinate of the bottom right corner of selected region
SelectionRightBottomY	Integer	-1	R/W	Y-axis coordinate of the bottom right corner of selected region
CRegionLeftTopX	Integer	-1	R/W	X-axis coordinate of the top left corner of chosen region (****)
CRegionLeftTopY	Integer	-1	R/W	Y-axis coordinate of the top left corner of chosen region
CRegionRightBottomX	Integer	-1	R/W	X-axis coordinate of the bottom right corner of chosen region
CRegionRightBottomY	Integer	-1	R/W	Y-axis coordinate of the bottom right corner of chosen region
ColWidth(col:Integer)	Integer	50	R/W	Width of column col
RowHeight(row:Integer)	Integer	40	R/W	Height of row row
Width	Integer	384	R/W	Width of region for control display
Height	Integer	288	R/W	Height of region for control display
TotalWidth	Integer	500	R	Total width of control cells
TotalHeight	Integer	400	R	Total height of control cells
Enabled	Boolean	True	R/W	Availability of control

(*) Fixed cells are the cells of the table header.

(**) Current cell is the cell, which currently has focus.

(***) Selected region is the selected part of table (with use of mouse or Shift key).

(****) Chosen region is the region programatically selected with CRegionLeftTopX, CRegionLeftTopY, CRegionRightBottomX, CRegionRightBottomY.

Properties for chosen region of table:

Name	Data type	Def	Type	Description
Alignment	TAlignment	Left	R/W	Alignment of elements in chosen region
Editable	Boolean	True	R/W	Possibility to edit cells in chosen region
Font	OLE Font	MS Sans Serif	R/W	Font for cells in chosen region
FontColor	OLEColor	000000	R/W	Color of font for cells in chosen region
Color	OLEColor	FFFFFF	R/W	Fill color of elements in chosen region
WordWrap	TWordWrap	False	R/W	Words wrapping in currently chosen region
Value	VARIANT		R/W	Value for elements in chosen region. Automatically converted to CType data type
Ctype	TCType	VT_BOOL	R/W	Data type of cells for elements in chosen region
TypeEx	TTypeEx	0	R/W	Editor type for cells in chosen region

DTFormat	String		R/W	Format of dates for cells of chosen region. See DTFormat.txt for details.
NUMFormat	String		R/W	Format of numbers for cells in chosen region. For example: ###,##0.00#, where , - thousands delimiter, . - floating point, # - optional numeric place; 0 – required numeric place. See NUMFormat.txt for details.
Hint	String		R/W	Value of pop-up hint for cells in chosen region
CRVariantValue (var: Integer)	VARIANT		R/W	Variant representation of value <i>var</i> for cells in chosen region
CRVariantText (var :Integer)	String		R/W	Name of Variant <i>var</i> subtype for cells in chosen region

Note: when reading properties the value related with most left top cell is returned for chosen region.

Data types:

Name	Values	Decription
TAlignment		Type for definition of alignment of text in cells
	AL_LEFT	Left alignment
	AL_RIGHT	Right alignment
	AL_CENTER	Center alignment
TWordWrap		Type for definition of words wrapping
	WW_NONE	no wrap

	WW_TRUE	wrap
	WW_DOTS	with dots
TBorderStyle		Type for definition of control border style
	BS_NONE	no
	BS_SINGLE	one pixel
TScrollBars		Type for definition of scroll bars style
	SS_NONE	none
	SS_HOR	only horizontal, if neccessary
	SS_VERT	only vertical, if neccessary
	SS_BOTH	both, if neccessary
TCType		Data types
	VT_BOOL	boolean
	VT_INTEGER	integer
	VT_LONG	integer (for now the same as VT_INTEGER)
	VT_SINGLE	single
	VT_DOUBLE	double
	VT_STRING	string
	VT_CURRENCY	currency
	VT_DATE	date
TTypeEx		Editor type. Value is calculated as bitwise OR of the following values:
	ED_EDIT	regular string (or multi-string) editor
	ED_BTN	button

	ED_COMBO	dropdown combobox
	ED_CAL	calendar

OLE Font object

Property	Type	Description
Name	String	Specifies name of font, such as Arial or Courier.
Size	Single	Specifies font size in points (72 points to an inch when printed).
Bold	Boolean	If True, the text is bold.
Italic	Boolean	If True, the text is italic.
StrikeThrough	Boolean	If True, Visual Basic strikes through the text.
Underline	Boolean	If True, the text is underlined.
Weight	Integer	Returns or sets the weight of the font. Above a certain weight, the Bold property is forced to True.

Methods:

Name	Parameters	Description
ClearCRVariants		Clears the list of variants for cells in chosen region
AddCRVariant	(Value:VARIANT, text:String)	Adds variant for cells in chosen region
ClearSelection		Clears selection
ShowEdit		Calls editor for current cell
HideEdit		Hides editor
RemoveCol	(col:Integer)	Deletes Column
RemoveRow	(row:Integer)	Deletes row
InsertCol	(col:Integer)	Inserts column before column <i>col</i>
InsertRow	(row:Integer)	Inserts row before row <i>row</i>
ExchangeCols	(col1,col2:Integer)	Exchanges places for columns <i>col1</i> and <i>col2</i>
ExchangeRows	(row1,row2: Integer)	Exchanges places for rows <i>row1</i> and <i>row2</i>
AdjustColWidths		Adjusts optimal width for cells in columns to make text looking good
AdjustColWidth	(col:Integer)	Adjusts optimal width for column <i>col</i>
AdjustRowHeights		Adjusts optimal height for cells in rows to make text looking good
AdjustRowHeight	(row:Integer)	Adjusts optimal height for column <i>row</i>
Update		Draw object again
SetFocus		Set focus to Grid Control

Events:

Name	Parameters	Description
OnBeforeEdit	(col:Integer, row:Integer, text:String, var cancel:Boolean)	Called right before editing element
OnValidateEdit	(row:Integer, col:Integer, text:String, var cancel:Boolean)	Called right before submit of changes into the cell by the user
OnAfterEdit	(row:Integer, col:Integer)	Called after submit of changes into the cell by the user
OnButtonClick	(row:Integer, col:Integer)	Called when the button is hit by the user (ED_BTN)
OnFixedColClick	(col:Integer)	Called when user clicks on column header
OnFixedRowClick	(row:Integer)	Called when user clicks on row header
OnClick		Called when user clicks on the control
OnDbClick		Called when user double-clicks on the control
OnKeyPress	(var key:char)	Called when the key is pressed (navigation mode, not edit mode)
OnSelectCell	(col:Integer, row:Integer)	Called when the cell is selected by the user
OnSelectRange		Called when selection range is changed by the user

OnAfterCalendar	(var cancel:Boolean)	Called after work with calendar
OnEnterCell	(row:Integer, col:Integer)	Called when the focus is switched from one cell to another
OnLeaveCell	(row:Integer, col:Integer)	Called when focus is switched from one cell to another
ViewChange		Drawing is done