

BR_PanelConfig – Panel Configuration Services

Robin Lamacraft 2017-04-21

SCOPE

This module must be used anywhere GUI screen content or properties that impact on the screen size, element sizes or decoration is involved. Panel Configurations are used within the Viewpoint definition and with screens that are not within a fixed layout. Each HRE screen may be one or more panels within that screen. Each panel has its own configuration. One parent Panel Configuration becomes the Screen Configuration. Each screen may have a number of saved configurations that can be selected via the “Configure” command button on most screens. If the user repositions or resizes a screen, then on closing that screen the user can save that change in the current Screen Config or not. Configuration of the next opening of that screen will always be determined by the saved settings.

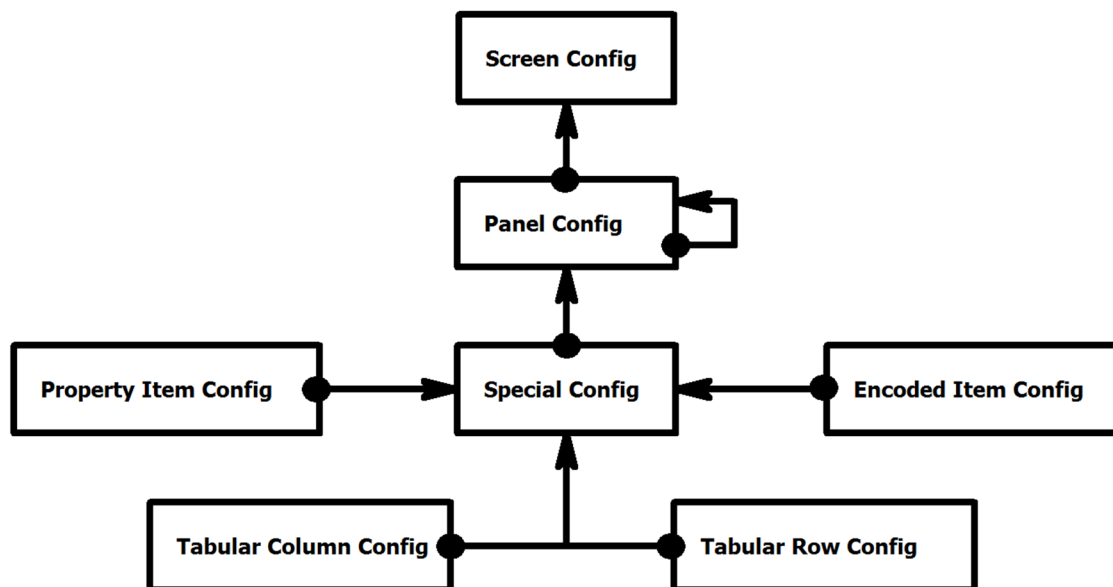
ACTIONS

1. To define or modify a Screen Configuration: Create, Edit, Save, Select, Store and Apply a Screen Configuration definition. NOTE: there are many properties that can possibly be set where sensible default values will be provided and on-screen resizing and reordering of columns, etc will be saved from user mouse-controlled rearrangement
2. For the currently displayed screens: Set listeners for any dynamic location and resizing changes that occur by user mouse actions. Before closing that screen ask whether the new values should be saved for later use.

USED BY

1. Any GUI with a “Configure” command button
2. BR_Monitor.

DATA CONTROLLED BY THIS MODULE



1. **ScreenConfig** Table: One record per Screen Configuration

SQL FIELD NAME	SQL FIELD TYPE	NOTES
HRE COMMON FIELDS FIRST		HRE_ID is ScreenConfig_ID

LABEL_ID	INT8 NOT NULL	Label HRE ID for translated label of this Screen Configuration
VPOINT_ID	INT8	Parent HRE Viewpoint ID if not zero. NOTE: LEFT, WIDTH, TOP and HEIGHT are absolute values when VPOINT_ID is zero; otherwise they are relative to the top left of the Viewpoint rectangle.
LEFT	INT4	Left location of rectangle (pixels)
WIDTH	INT4	Width of rectangle (pixels)
TOP	INT4	Top location of rectangle (pixels)
HEIGHT	INT4	Height of rectangle (pixels)
MIN_LEFT	INT4	Minimum Left location of rectangle (pixels)
MIN_WIDTH	INT4	Minimum Width of rectangle (pixels)
MIN_TOP	INT4	Minimum Top location of rectangle (pixels)
MIN_HEIGHT	INT4	Minimum Height of rectangle (pixels)
SETTING_ID	INT8 NOT NULL	HRE_Screen Settings ID (if zero use User's default)

The PRIMARY INDEX of this table is the HRE_ID. (ScreenConfig)

2. PanelConfig Table: One record for each use of a Panel Configuration

SQL_FIELD NAME	SQL_FIELD TYPE	NOTES
HRE COMMON FIELDS FIRST		HRE_ID is ViewpointSet_ID
LABEL_ID	INT8 NOT NULL	Label HRE ID for translated label of this Panel Configuration
PARENT_ID	INT8 NOT NULL	Parent HRE Screen or Panel ID
LEFT	INT4	Relative Left location of rectangle (pixels)
WIDTH	INT4	Width of rectangle (pixels)
TOP	INT4	Relative Top location of rectangle (pixels)
HEIGHT	INT4	Height of rectangle (pixels)
MIN_LEFT	INT4	Relative Minimum Left location of rectangle (pixels)
MIN_WIDTH	INT4	Minimum Width of rectangle (pixels)
MIN_TOP	INT4	Relative Top location of rectangle (pixels)
MIN_HEIGHT	INT4	Minimum Height of rectangle (pixels)
SETTING_ID	INT8 NOT NULL	HRE_Panel Settings ID (if zero use parent settings)

The PRIMARY INDEX of this table is the HRE_ID. (PanelConfig)

3. SpecialConfig Table: One record per Special display in a PanelConfig

SQL FIELD NAME	SQL FIELD TYPE	NOTES
HRE COMMON FIELDS FIRST		HRE_ID is SpecialConfig_ID
TITLE_ID	INT8 NOT NULL	Label HRE ID for translated label of this display
PARENT_ID_ID	INT8 NOT NULL	HRE_ID of parent PanelConfig
GUI_ELEMENT_ID	INT8 NOT NULL	HRE_Type ID of GUI Element Type, typically Tabular, Property Editor, Encoded String Editor, etc
SETTING_ID	INT8 NOT NULL	HRE_SpecialSettings ID (if zero use parent settings)

The PRIMARY INDEX of this table is the HRE_ID. (SpecialConfig)

4. TabularRowConfig Table: One record for all Rows in a Tabular Config

SQL FIELD NAME	SQL FIELD TYPE	NOTES
HRE COMMON FIELDS FIRST		HRE_ID is TabularRowConfig_ID
PARENT_ID_ID	INT8 NOT NULL	HRE_ID of parent SpecialConfig
ROW_TYPE_ID	INT8 NOT NULL	HRE_Object Type ID for rows of the table
ROW_FILTER_ID	INT8 NOT NULL	HRE_Filter-ID (Zero no filter)

ROW_SORT_ID	INT8 NOT NULL	HRE_Sort-ID (Zero no sorting)
IS_THEMED	INT4	0 = No Theme, 1 = Use Theme
ROW_THEME_ID	INT8 NOT NULL	HRE_Theme-ID (Zero no theme)

The PRIMARY INDEX of this table is the HRE_ID. (TabularRowConfig)

5. **TabularColmConfig** Table: One record per Column in TabularColmConfig

SQL FIELD NAME	SQL FIELD TYPE	NOTES
HRE COMMON FIELDS FIRST		HRE_ID is TabularColmConfig_ID
PARENT_ID_ID	INT8 NOT NULL	HRE_ID of parent SpecialConfig
COLM_ORDER	INT4	Increasing left to right order
COLM_REF_ID	INT8 NOT NULL	HRE_ID Ref to values to be output
COLM_LABEL_ID	INT8 NOT NULL	Column Label HRE ID for translated label of this Column
COLM_FMT_ID	INT8 NOT NULL	HRE ID for output format for this column
IS_ACCENTED	INT4	0 = No Accent, 1 = Use Accent
ACCENT_LINK_ID	INT8 NOT NULL	HRE ID for output format for this column

The PRIMARY INDEX of this table is the HRE_ID. (TabularColmConfig)

6. **PropertyItemConfig** Table: One record per Property Editor display in a SpecialConfig

SQL FIELD NAME	SQL FIELD TYPE	NOTES
HRE COMMON FIELDS FIRST		HRE_ID is PropertyItemConfig_ID
PARENT_ID_ID	INT8 NOT NULL	HRE_ID of parent SpecialConfig
ITEM_GRP_TYPE_ID	INT8 NOT NULL	HRE_Object Type ID for Grouping Items
ITEM_GRP_LBL_ID	INT8 NOT NULL	HRE_Object Type ID for Grouping Label Translation
ITEM_GRP_ORDER	INT4	Increasing order of presentation of groups of items
ITEM_ID	INT8 NOT NULL	HRE_ID for this Item
ITEM_ORDER	INT4	Increasing order of presentation of items
ITEM_FMT_ID	INT8 NOT NULL	HRE_ID for the format of this item
ITEM_EDIT_ID	INT8 NOT NULL	HRE_ID for the editor of this item
ITEM_VALID_ID	INT8 NOT NULL	HRE_ID for the Validation of this Item

The PRIMARY INDEX of this table is the HRE_ID. (PropertyItemConfig)

7. **EncodedItemConfig** Table: One record per Encoded Item display in a SpecialConfig

SQL FIELD NAME	SQL FIELD TYPE	NOTES
HRE COMMON FIELDS FIRST		HRE_ID is EncodedItemConfig_ID
PARENT_ID_ID	INT8 NOT NULL	HRE_ID of parent SpecialConfig
ENCODE_TYPE_ID	INT8 NOT NULL	HRE_Object EncodingType ID
TOOLBAR_ID	INT8 NOT NULL	HRE_Object Toolbar ID
SUBSTN_DICT_ID	INT8 NOT NULL	HRE_Object Type ID for the substitution dictionary
FORMAT_ID	INT8 NOT NULL	HRE_ID for the format of this item
VALIDATE_ID	INT8 NOT NULL	HRE_ID for the Validation of this Encoded Data

The PRIMARY INDEX of this table is the HRE_ID. (EncodedItemConfig)

REQUIRED SERVICES

1. BR_GuiElement
2. BR_EntityLink
3. BR_Translation
4. BR_FieldTranslation.

WARNING CONDITIONS

1. Need details of the condition that raised the warning, example message and possible next steps.

ERROR CONDITIONS

1. Need to record the condition that raised the error, example message and possible next steps.