

GUI_FieldDefinition Edit – Field Definition Edit

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SCOPE

This GUI module displays and allows editing of the properties of a data input field. Typically, this will include the type of data (string, integer or numeric), for integer and numeric upper and lower bound values, for string values whether it is simple, special or encoded, and if encoded, the type of encoding. Special items include date/time, latitude and zipcodes. It also includes coding for sentences, memos, output templates, filters, etc. These properties only refer to the format of the data and do not involve the relationship of an entered value to the value of any other entered value. The format checking will not be under the control of the user, except for the case where the user has set a regular string expression to validate a value. By default all new fields are simple text strings.

LOOK AND FEEL

- A heading at the top of the screen identifies which field this field definition belongs to. It also includes a “Configure” command button
- The remainder of the screen has 2 parts; left and right with a moveable vertical separator between them
- The left side is an exclusive selection list of Major Field Types. Selections in **BOLD** have no user changeable values, normal entries are user modifiable
- The right side, Field Type Properties:
 - At the top has a collection of command buttons:
 - “Ignore” – ignores the changes and closes the frame
 - “Save” – saves the settings for this field type and closes the frame
 - “Reset” – resets that field to the defaults settings of its types.
These buttons are only active if the user can edit properties and are replaced by a “Close” button.
 - Below the command button(s) is a properties editor that has 3 columns:
 - Column 1: The label of the setting. The character emphasis of the title is coded with:
 - **BOLD** for a fixed value
 - Normal for a user editable value
 - Underline when the value has been edited in this view.
 - Column 2: The current value of that setting
 - Column 3: A button to open a special editor if that setting has a format that should not be in-place edited.

[Needs a mockup diagram here]

USED BY: Items where the user can define input fields like Name Styles and Tags

METHODS

The fundamental operations are:

1. Open Frame according to its saved Frame Layout (BR_PanelConfig)
2. Populate both lists with current values
3. If a value is edited, validate both its syntax and value for correctness
4. Save values in the appropriate database.

AUXILIARY DATA USED

1. No direct access to databases.

REQUIRED SERVICES

1. BR_Setting
2. BR_FieldDefinition
3. BR_PanelConfig.