NS_DEV_DOCFOR:objc_class:Text;,NIStringProperty

Inherits From: NICharProperty : NIProperty : Object

Declared In: NIProperty.h

Class Description

The NIStringProperty class defines an object that manages the connection between a GUI item and a NetInfo entry. NIStringProperty objects link a NetInfo single character string to a GUI element. The GUI element must be a single textField text.tiff ¬ It may not be an element of a form or of an array of textfields created by alt-dragging. It may optionally be accompanied by a (set) button, which will allow selectiong a file, directory, or NetInfo property. textset.tiff ¬

Any first change of the character will cause the message **propertyDidChange:value:** to be sent to the delegate (if this responds) with a *value* of NULL.

The GUI objects are sent the following methods:

TextField:

- **setTextDelegate**:*sender*

- **setStringValue**:(const char *)*value*
- (const char *)**stringValue**

is expected to send:

- **textDidEnd:***textObject* **endChar:**(unsigned short)*whyEnd*
- **textDidChange:***sender*

Button:

- **setTarget**:*sender*
- **setAction:***@selector(method:)*

Instance Variables

id **button**;

button   An optional button.

Method Types

Initializing the NIStringProperty object   - init:properties:name:text:button:mode:path:title:

Instance Methods

NS_DEV_DOCFOR:objc_method:[Text-initFrame:text:alignment:];,init:properties:name:text:button:mode:path:title:

- **init:***sender*
  - **properties:**(ni_proplist *)*props*
  - **name:**(const char *)*label*
  - **text**:*t* **button**:*b*
  - **mode**:(int)*m*
  - **path**:(const char *)*p*
  - **title**:(const char *)*tString*

Initializes a new NIStringProperty object.   This is the designated initializer for NIStringProperty objects: If you subclass NIProperty, your subclass's designated initializer must maintain the initializer chain by sending a message to **super** to invoke this method.   See the introduction to the class specifications for more information.

The eight arguments specify the delegate (*sender*) to which the **propertyWillChange** and **propertyDidChange** methods will be sent, the property list as read from NetInfo (*props*), the string containing the name of the NetInfo entry (*label*), the GUI textfield object (*t*), a button (*b*), the mode for querying existing values (*m*), the path to an existing NetInfo value (*p*), and the title to be displayed in the panels for querying existing data (*tString*).

The button (*b*) is optional an may be nil. In this case, all following arguments are ignored and may be zero or NULL. If button is set, this will cause a panel to be presented with which one can select a file, directory or arbitrary NetInfo value. Before any panel is presented, the delegate will be sent a **willSelect:what:path:title:state:** method. If the delgate returns NIPT_NONE, no panel is shown. If it returns any other value (NIPT_FILE, NIPT_DIR, or NIPT_NETINFO) the appropriate selection panel will be shown.

The mode (*m*) determins which panel is to be shown. This can be changed by the return value of the delegate's **willSelect:what:path:title:state:** method. The value must be one of NIPT_FILE, NIPT_DIR, or NIPT_NETINFO, for a panel for selecting a file, a directory, or an arbitrary value from NetInfo, respectively.

The path passed in *p* is the NetInfo directory from which a value is to be selected.

The title passed in *tString* will be displayed in the selection panels.

Returns **self**.

See also: - **addString:outlet:**,   - **addString:text:button:mode:path:title** (NIDirectory)**, Delegates Implemented** (NIProperty)

Methods Implemented by the Delegate

NS_DEV_DOCFOR:objc_method:[Text-textWillChange:];,didSelect:what:value:domain:state:

   - (int)**didSelect**:*sender* **what**:(int)*kind* **value**:(char **)*selection* **domain**:(const char *)*niDomain* **state**:(int)*anInt*

Responds to a message sent to the delegate after making a selection. The delegate receives a **willSelect:what:path:title:state:** message immediately before receiving a **didSelect:what:value:domain:state:** message unless the former returned NIPT_NONE.

Kind is the mode selected or returned by **willSelect:what:path:title:state:**.

Selection will hold a copy of the selection. The copy was allocated in [NXApp zone] and may be freed (must set *selection to NULL) or reallocated.

The value in *niDomain* is the domain from which the value was selected when selecting from NetInfo, or NULL if a file or directory was selected.

State is the value passed back from willSelect.

If the return value is greater than zero, the method **willSelect:what:path:title:state:** is resent and the selection will be presented again. If the return value is zero, the returned value in *selection* is used. If the return value is less than zero, the selection is discarded.

If the delegate doesn't implemt this method, the selecton is accepted as is.

NS_DEV_DOCFOR:objc_method:[Text-textDidChange:];,willSelect:what:path:title:state:

   - (int)**willSelect:***sender* **what:**(int)*kind* **path:**(char **)*ni_path*
       title:(char **)*panel_title* **state:**(int *)*anInt*

Responds to a message sent before displaying any selection panel which was activated by pressing the button. The delegate's **willSelect:what:path:title:state:** method can prevent any panel from being presented by returning NIPT_NONE.   If the delegate allows a selection, it presents a panel for selection a file (*kind* is NIPT_FILE), a directory (*kind* is NIPT_DIR), or a value from NetInfo (*kind* is NIPT_NETINFO). After making the selection, the delegate immediately receives a **propertyDidChange:value:** message.   If the selection is aborted, no message is sent to the delegate. If the delegate doesn't implement this method, the selection panel is presented using the values *kind*, *ni_path*, and *ni_panel_title*.

Path is a directory in a NetInfo domain from which the value (a property) is to be read. It may be NULL when selecting a file or directory. *Panel_title* is the title shown for the appropriate panel.

The state passed in *anInt* is may be anything and is not used by the NIStringPropery object, but is passed as such to the **didSelect:what:value:domain:state:** method.