

NS_DEV_DOCFOR:objc_class:Text;,NIProperty

Inherits From: Object
Conforms To:
Declared In: NIProperty.h

Class Description

The NIProperty class defines an object that manages the connection between a GUI item and a NetInfo entry. NIProperty objects are used by the specific property classes. Your application inherits these uses of the NIProperty class when it incorporates any of the specific objects into its source. You rarely have to subclass this class directly. This class uses the structures defined in netinfo/ni.h.

Many of the NIProperty subclasses have a textField object as part of the GUI. This item does not actually have to be a textField element, it can be any object capable of responding to the following methods:

- **selectText:***sender*; (NIBrowserProperty only)

Class Variables

None accessible from other units.

Instance Variables

```
id delegate;  
const char *name;  
ni_proplist *properties;  
int tag;  
int setMode;  
const char *path;  
const char *title;  
BOOL changed;
```

delegate
name
properties

The object that's notified when the NIProperty object modifies a NetInfo entry.
The (property) name of the NetInfo entry.
A pointer to the property list.

tag
setMode

The integer that the delegate uses to identify the NIProperty object.
Determines the kind of panel to show for selecting existing values. (c.f. NIDirectory NIPT_ values.)

path
title

The path or directory to use for the panels.
The title to be displayed in the panels.

Method Types

Initializing the NIProperty object	+ init:
Initializing a new NIProperty object	- init:properties:name:
Freeing a NIProperty object	- free

Transferring to GUI	- display
Modifying the value list	- deleteValue: - findValue:how: - insertValue: - insertValue:at: - removeValues - updateValue:at: - valueAt: - valueList - values
The property name	- name
The property's index	- index:
Assigning a tag	- setTag: - tag
Assigning a delegate	- setDelegate: - delegate

Class Methods

**NS_DEV_DOCFOR:objc_method:[Text-excludeFromServicesMenu:];,init:
+ init:strngs**

Sets the class variable strings. Returns **strngs**.

Instance Methods

NS_DEV_DOCFOR:objc_method:[Text-delegate];,delegate

- delegate

Returns the NIProperty object's delegate.

See also: - setDelegate:

NS_DEV_DOCFOR:objc_method:[Text-getDefaultFont];,deleteValue:

- deleteValue:(int)*idx*

Deletes the value at index *idx*, if any. If this was the only value of the property, the entire property is removed. Any corresponding GUI element is not updated. Sends a **propertyDidChange** to the delegate with a value of NULL.

Returns **self**.

See also: - removeValues

NS_DEV_DOCFOR:objc_method:[Text-getLocation:ofCell:];,display

- display

This method does nothing. It is meant to be overridden in the item specific methods.

Returns **self**.

NS_DEV_DOCFOR:objc_method:[Text-getLocation:ofCell:];,findValue:how:

- (int)findValue:(const char *)*value* how:(BOOL)*mode*

Returns the index of the entry *value* or NI_VALUE_NOT_FOUND if it is not found. *How* defines the kind of matching operation: NI_FIND_EXACT for an exact match of *value* or NI_FIND_REGEX for a regular expression of *value*.

NS_DEV_DOCFOR:objc_method:[Text-free];,free

- free

Releases the storage for a NIProperty object.

NS_DEV_DOCFOR:objc_method:[Text-initFrame:];,index

- (int)index

Returns the index of this property within the NetInfo property list if such an entry exists or **NI_INDEX_NULL** if no NetInfo entry exists.

NS_DEV_DOCFOR:objc_method:[Text-initFrame:text:alignment:];,init:properties:name:

- init:*sender*

properties:(ni_proplist *)*props*

name:(const char *)*label*

Initializes a new NIProperty object. This is the designated initializer for NIProperty 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 three arguments specify the delegate (*sender*) to which the **propertyWillChange** and **propertyDidChange** methods will be sent, the property list as read from NetInfo, and the string containing the name of the NetInfo entry. Init will initialize *tag* to -1, *index* to NI_INDEX_NULL and *changed* to NO.

Returns **self**.

NS_DEV_DOCFOR:objc_method:[Text-initFrame:];,insertValue:

- **insertValue:**(const char *)*value*

Inserts the value *value* to the end of the list, creating the property if neccessary. Any corresponding GUI element is not updated. Sends a **propertyDidChange** to the delegate with a value of *value*.

Returns **self**.

NS_DEV_DOCFOR:objc_method:[Text-initFrame:];,insertValue:at:

- **insertValue:**(const char *)*value* **at:**(int)*idx*

Inserts the value *value* at the position *idx*, creating the property if neccessary. Any corresponding GUI element is not updated. Sends a **propertyDidChange** to the delegate with a value of *value*.

Returns **self**.

NS_DEV_DOCFOR:objc_method:[Text-moveTo:];,name

- (const char *)**name**

Returns the name of the property.

See also: - **init:properties:name:**

NS_DEV_DOCFOR:objc_method:[Text-setDelegate:];,removeValues

- **removeValues**

Removes all values of the property. Any corresponding GUI element is not updated. Sends a **propertyDidChange** to the delegate with a value of NULL.

Returns **self**.

See also: - `deleteValue:`

NS_DEV_DOCFOR:objc_method:[Text-setDelegate:];,setDelegate:

- **setDelegate:***anObject*

Sets the NIProperty object's delegate. In response to value changes, the NIProperty object can send the delegate any of several notification messages. See the introduction to this class specification for more information.

Returns **self**.

See also: - `delegate`

NS_DEV_DOCFOR:objc_method:[Text-setTag:];,setTag:

- **setTag:**(int)*anInt*

Sets the NIProperty object's **tag** value to *anInt*.

Returns **self**.

See also: - `tag`

NS_DEV_DOCFOR:objc_method:[Text-tag];,tag

- (int)**tag**

Returns the NIProperty object's tag.

See also: - `setTag:`

NS_DEV_DOCFOR:objc_method:[Text-windowChanged:];,updateValue:at:

- **updateValue:**(const char *)*value* **at:**(int)*idx*

Updates the value at index *idx*. If the property did not exist, it is created. If *value* is NULL, the value is deleted from the list of values. If this results in an empty list, the property is removed. Any corresponding GUI element is not updated. Sends a **propertyDidChange** to the delegate with a value of NULL and another **propertyDidChange** with the value if this was not NULL.

Returns **self**.

NS_DEV_DOCFOR:objc_method:[Text-getDefaultFont];,valueAt

- (const char *)**valueAt:**(int)*idx*

Returns the value at index *idx* within the list of values or the empty string if the index is out of range or the list is empty.

NS_DEV_DOCFOR:objc_method:[Text-windowChanged:];,valueList

- (ni_namelist *)**valueList**

Returns a pointer to the list of values associated with this property. This list should never be modified directly!

See also: - **values**

NS_DEV_DOCFOR:objc_method:[Text-initialize];,values

- (int)**values**

Returns the number of values in the list or 0 if no entries.

See also: - `valueList`

Methods Implemented by the Delegate

NS_DEV_DOCFOR:objc_method:[Text-textDidChange:];,propertyDidChange:value:

- **propertyDidChange:sender value:(const char *)string**

Responds to a message sent to the delegate after any change to the property's values. The delegate receives a **propertyWillChange:** message immediately before receiving a **propertyDidChange:** message. The value which was copied to or removed from the value list is passed in *string*. A *string* value of NULL signals a change of a textfield value which has not yet been validated.

NS_DEV_DOCFOR:objc_method:[Text-textWillChange:];,propertyWillChange:value:default:index:

- (BOOL)**propertyWillChange:sender value:(const char *)string default:(BOOL *)remove index:(int)anInt**

Responds to a message sent upon any change of a property's value. The delegate's **propertyWillChange:value:default:index** method can prevent the value from being changed by returning YES. If the delegate allows the change, it immediately receives a **propertyDidChange:value:** message after the change is made. If the delegate doesn't implement this method, the change is allowed by default.

String is a pointer to a copy of the new value or NULL, indicating the default value. This string can be reallocated or freed in the [NXApp zone] zone. The memory will be freed after returning from the call. The index passed in *anInt* is the index into the property's value list. A value of NI_VALUE_NOT_FOUND indicates no previous value or property. If *remove* is true, the first value will be removed. If the value list becomes empty, the entire property will be removed.