

INatAutoObjectLists

This chapter covers the following topics:

- Purpose
 - Properties
 - Methods
-

Purpose

Collection of the currently open list view document windows.

Properties

The following properties are available:

- Parent
- Studio
- Count

Parent

Used to navigate to the parent interface of this interface.

Natural Data Format	Variant Type	Remark
HANDLE OF OBJECT	DISPATCH (INatAutoObjects)	Get only

Studio

Used to navigate to the root interface.

Natural Data Format	Variant Type	Remark
HANDLE OF OBJECT	VT_DISPATCH (INatAutoStudio)	Get only

Count

The number of currently open list view document windows.

Natural Data Format	Variant Type	Remark
I4	VT_I4	Get only

Methods

The following methods are available:

- Item
- Open

Item

Returns a specific list view document window from the collection.

Parameters

Name	Natural Data Format	Variant Type	Remark
Return value	HANDLE OF OBJECT	VT_DISPATCH (INatAutoObjectList)	
Index	I4	VT_I4	

Return value

The list view document window identified by the value specified in Index.

Index

Identifies a specific list view document window in the collection. This is a value between 1 and Count.

Open

Opens a new list view document window.

Parameters

Name	Natural Data Format	Variant Type	Remark
Return value	HANDLE OF OBJECT	VT_DISPATCH (INatAutoObjectList)	
Type	I4	VT_I4	
Key	A	VT_BSTR	
Caption	A	VT_BSTR	
Template	I4	VT_I4	Optional
PlugInID	A	VT_BSTR	Optional
Info	A	VT_BSTR	Optional
DisplayName	A	VT_BSTR	Optional
Children	A	VT_BSTR	Optional
NaturalType	I4	VT_I4	Optional
NaturalKey	A	VT_BSTR	Optional

Return value

The newly opened list view document.

Type

The node type of the root object. This must be a plug-in defined type that may correspond to a predefined Natural Studio type.

Key

The key that identifies the object within its type.

Caption

Determines the caption of the document window.

In order to generate a caption that matches the caption format used in Natural Studio document windows, the string passed in this parameter may contain the format specifier `%std`. This format specifier will be dynamically replaced by an identifier of the root object in the following way: If the root node corresponds to a predefined Natural Studio object, the format specifier `%std` is replaced by "*name* [*library*] -". Otherwise the identifier is built in the form "*node-type-caption display-name* -", where *node-type-caption* is the caption that was passed when the node type was created and *display-name* is the string passed in `DisplayName`.

Template

The value specified here is passed back to the plug-in when Natural Studio later calls the plug-in through the interface `INaturalStudioPlugInTree` in order to retrieve data to fill the view. This enables the plug-in to deliver different data for the same root object.

PlugInID

The ID of the plug-in that defined the type.

Info

Additional information that a plug-in may want to assign to the root object. Natural Studio does not interpret this information. It just passes it back to the plug-in when it later calls the plug-in through the interface `INaturalStudioPlugInTree` in order to retrieve data to fill the view.

DisplayName

The text to be displayed at the root node.

Children

If the plug-in already knows the child nodes of the root node, it can pass them in this parameter. The parameter must then contain an XML document describing the child nodes. The XML document is structured according to the DTD defined in `INaturalStudioPlugInTree::GetChildren`. If this parameter is specified, Natural Studio implicitly assumes that the root node has child nodes and performs no call through the interface `INaturalStudioPlugInTree` to determine if the root node has child nodes.

NaturalType

If the root node corresponds to a predefined Natural Studio object, this property contains the type of the corresponding predefined object.

NaturalKey

If the root node corresponds to a predefined Natural Studio object, this property contains the key of the corresponding predefined object.