

INatAutoCommands

This chapter covers the following topics:

- Purpose
 - Properties
 - Methods
-

Purpose

The collection of commands defined by plug-ins.

Properties

The following properties are available:

- Parent
- Studio
- System

Parent

Used to navigate to the parent interface of this interface.

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

Studio

Used to navigate to the root interface.

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

System

The number of commands that were registered by plug-ins.

Natural Data Format	Variant Type	Remark
I4	VT_DISPATCH (INatAutoSystem)	Get only

Methods

The following methods are available:

- Add
- Item

Add

Creates a new command and adds it to the collection.

Parameters

Name	Natural Data Format	Variant Type	Remark
Return value	HANDLE OF OBJECT	VT_DISPATCH (INatAutoCommand)	
CommandID	I4	VT_I4	
Caption	A	VT_BSTR	
Image	A HANDLE OF OBJECT I4	VT_BSTR VT_DISPATCH (IPictureDisp) VT_I4	Optional

Return value

The newly added command.

CommandID

Numeric ID of the new command. The plug-in can choose any positive integer value. When the user later selects the command in the user interface, this ID is passed to the plug-in in the method `INaturalStudioPlugIn::OnCommand`.

Caption

A string used to identify the command in menus and toolbars.

Image

An image used to represent the command visually. The image must be a 16 color, 16x16 bitmap, using RGB(192,192,192) as the background color.

The image can be specified in three ways:

- As an absolute path name of a .bmp file.
- As an `IPictureDisp` interface. An `IPictureDisp` interface can be created in Natural using the method `INatAutoImages::LoadImage`. An `IPictureDisp` interface cannot be passed across process boundaries. This is due to a Microsoft restriction (MSDN Q150034). Therefore this alternative can only be used with plug-ins running as in-process servers. Natural written plug-ins always run as local servers and can therefore not use this alternative.

- As an index into a table of user images pre-defined in Natural Studio. These are the images that can be assigned to user commands in the **Customize** dialog.

Item

Returns a specific command from the collection. Used to iterate through the collection.

Parameters

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

Return value

The command identified by the value specified in Index.

Index

The index of the command in the collection (a value between 1 and Count).