

INatAutoSystem

This chapter covers the following topics:

- Purpose
 - Properties
 - Methods
-

Purpose

Gives access to certain system functions and to the available development environments and applications.

Properties

The following properties are available:

- Parent
- Studio
- Environments
- Applications
- Sysmain

Parent

Used to navigate to the root interface.

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

Studio

Used to navigate to the root interface.

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

Environments

Used to navigate to the `INatAutoEnvironments` interface.

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

Applications

Used to navigate to the `INatAutoApplications` interface.

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

Sysmain

Used to create a new instance of the `INatAutoSysmain` interface.

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

Methods

The following methods are available:

- Quit
- SysCreateGuid
- CMPALUTL
- Logon

Quit

Terminates Natural Studio.

SysCreateGuid

Creates a global unique ID (GUID). A plug-in might need this method when generating a class.

Parameters

Name	Natural Data Format	Variant Type	Remark
Return value	A	VT_BSTR	

Return value

A fresh global unique ID (GUID) in registry format (that is: enclosed in curly braces). Returns an empty string, if the creation failed.

CMPALUTL

Used to call the development server through the utility protocol. Currently the utility protocol is only used internally by Software AG products.

Parameters

Name	Natural Data Format	Variant Type	Remark
Return value	I4	VT_I4	
UtilityID	I2	VT_I2	By value
BufferLength	I4	VT_I4	By value
Buffer	A	VT_BSTR	By reference

Return value

Depends on the specific utility being called.

UtilityID

The utility being called.

BufferLength

The length of the data buffer passed in Buffer.

Buffer

The data buffer passed to and returned from the utility. The contents of the buffer on input and output depend on the utility being called. The utility protocol requires that the buffer be large enough to hold the maximum expected result of the utility request. This size depends on the utility being called.

Logon

Used to perform a logon to a specific library in the active environment.

Parameters

Name	Natural Data Format	Variant Type	Remark
Library	A	VT_BSTR	By value
Fnr	I4	VT_I4	Optional
DBnr	I4	VT_I4	Optional

Library

The library to logon to.

Fnr, DBnr

The file number and database number of the system file the library belongs to. Usually these parameters need not be specified, because the system file is determined by the library name.