

INatAutoRefreshObject

This chapter covers the following topics:

- Purpose
 - Properties
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Purpose

The object currently being refreshed. This interface is available during a Refresh operation. While handling the notification `PLUGIN-NOTIFY-REFRESH`, a plug-in can use this interface to retrieve the details about the object currently being refreshed.

Properties

The following properties are available:

- Parent
- Studio
- PlugInID
- Type
- Key
- Info
- NaturalType
- NaturalKey
- NaturalName
- Environment
- Application
- Current

Parent

Used to navigate to the parent interface of this interface.

| Natural Data Format | Variant Type | Remark |
|---------------------|-------------------------------|----------|
| HANDLE OF OBJECT | VT_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 |

PlugInID

The ID of the plug-in that defined the type. Not filled for objects of predefined types.

| Natural Data Format | Variant Type | Remark |
|---------------------|--------------|----------|
| A | VT_BSTR | Get only |

Type

The node type of the object. This can either be a predefined type or a user defined type.

| Natural Data Format | Variant Type | Remark |
|---------------------|--------------|----------|
| I4 | VT_I4 | Get only |

Key

The key that identifies the object within its type.

| Natural Data Format | Variant Type | Remark |
|---------------------|--------------|----------|
| A | VT_BSTR | Get only |

Info

Additional information that a plug-in may have assigned to the object. Not filled for objects of predefined types.

| Natural Data Format | Variant Type | Remark |
|---------------------|--------------|----------|
| A | VT_BSTR | Get only |

NaturalType

If the object has been defined by a plug-in, but corresponds to an object of a predefined Natural Studio node type, this property contains the type of the corresponding predefined object.

| Natural Data Format | Variant Type | Remark |
|---------------------|--------------|----------|
| I4 | VT_I4 | Get only |

NaturalKey

If the object has been defined by a plug-in, but corresponds to an object of a predefined Natural Studio node type, this property contains the key of the corresponding predefined object.

| Natural Data Format | Variant Type | Remark |
|---------------------|--------------|----------|
| A | VT_BSTR | Get only |

NaturalName

If the object has been defined by a plug-in, but corresponds to an object of the predefined Natural Studio node type subroutine, function or class, this property contains the function name or class name of the corresponding predefined object.

| Natural Data Format | Variant Type | Remark |
|---------------------|--------------|----------|
| A | VT_BSTR | Get only |

Environment

The environment the object belongs to. If the object belongs to the currently active environment or to an application, the value is NULL-HANDLE.

| Natural Data Format | Variant Type | Remark |
|---------------------|-----------------------------------|----------|
| HANDLE OF OBJECT | VT_DISPATCH (INatAutoEnvironment) | Get only |

Application

The application the object belongs to. If the object belongs to the currently active application or to no application at all, the value is NULL-HANDLE.

| Natural Data Format | Variant Type | Remark |
|---------------------|-----------------------------------|----------|
| HANDLE OF OBJECT | VT_DISPATCH (INatAutoApplication) | Get only |

Current

True, if the object belongs to the current environment or application.

| Natural Data Format | Variant Type | Remark |
|---------------------|--------------|----------|
| L | VT_BOOL | Get only |