

INatAutoObjectTreeNode

This chapter covers the following topics:

- Purpose
 - Properties
 - Methods
-

Purpose

This interface represents a node in an MDI tree view. It contains methods to navigate through the nodes of a view, expand and collapse nodes and to access the development objects represented by the nodes.

Properties

The following properties are available:

- Parent
- Studio
- IsExpanded
- IsSelected
- HasChildren

Parent

Used to navigate to the parent interface of this interface.

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

Studio

Used to navigate to the root interface.

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

IsExpanded

Indicates whether the node is expanded.

Natural Data Format	Variant Type	Remark
L	VT_BOOL	Get only

IsSelected

Indicates whether the node is selected.

Natural Data Format	Variant Type	Remark
L	VT_BOOL	Get only

HasChildren

Indicates whether the node has child nodes.

Natural Data Format	Variant Type	Remark
L	VT_BOOL	Get only

Methods

The following methods are available:

- GetRoot
- GetParent
- GetChild
- GetNext
- GetPrevious
- GetObject
- Expand
- Collapse
- MakeVisible
- Select

GetRoot

Returns the root node of the MDI tree view to which this node belongs.

Parameters

Name	Natural Data Format	Variant Type	Remark
Return value	HANDLE OF OBJECT	VT_DISPATCH (INatAutoObjectTreeNode)	

Return value

The root node of the MDI tree view or list view to which this node belongs.

GetParent

Returns the parent node of this node.

Parameters

Name	Natural Data Format	Variant Type	Remark
Return value	HANDLE OF OBJECT	VT_DISPATCH (INatAutoObjectTreeNode)	

Return value

The parent node of this node.

GetChild

Returns the first child node of this node.

Parameters

Name	Natural Data Format	Variant Type	Remark
Return value	HANDLE OF OBJECT	VT_DISPATCH (INatAutoObjectTreeNode)	

Return value

The first child node of this node. If the node does not have children, NULL-HANDLE is returned.

GetNext

Returns the next sibling node of this node.

Parameters

Name	Natural Data Format	Variant Type	Remark
Return value	HANDLE OF OBJECT	VT_DISPATCH (INatAutoObjectTreeNode)	

Return value

The next sibling node of this node. If the node does not have a next sibling, NULL-HANDLE is returned.

GetPrevious

Returns the previous sibling node of this node.

Parameters

Name	Natural Data Format	Variant Type	Remark
Return value	HANDLE OF OBJECT	VT_DISPATCH (INatAutoObjectTreeNode)	

Return value

The previous sibling node of this node. If the node does not have a previous sibling, NULL-HANDLE is returned.

GetObject

Returns the development object that this node represents.

Parameters

Name	Natural Data Format	Variant Type	Remark
Return value	HANDLE OF OBJECT	VT_DISPATCH (INatAutoSelectedObject)	

Return value

The development object that this node represents.

Expand

Expands the node.

Collapse

Collapses the node.

MakeVisible

Ensures that this node is in the visible part of the view. Scrolls the view as necessary.

Select

Selects this node.