INatAutoResultView

This chapter covers the following topics:

- Purpose

- Properties

- Methods

Purpose

An open result view.

Properties

The following properties are available:

- Parent

- Studio

- Active

Parent

Used to navigate to the parent interface of this interface.

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

Studio

Used to navigate to the root interface.

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

Active

Indicates if this result view is currently the active one or not. Setting Active to TRUE makes the result view the active one. Setting Active to FALSE has no effect.

Natural Data Format	Variant Type	Remark
L	VT_BOOL	

Methods

The following methods are available:

- InsertRows

- Update

- SetVisible

- Clear

- Close

InsertRows

Inserts a number of rows at the end of the result view. Each row is displayed in the result view as a node with attributes. Before referring to a node type in this method, the plug-in must have registered the node type through the interface `INatAutoNodeTypes`.

To avoid flickering, the result view is not redrawn after each call to `InsertRows`. After a series of calls to `InsertRows` the method `Update` should be called to redraw the result view.

Parameters

Name	Natural Data Format	Variant Type	Remark
Return value	I4	VT_I4)	
Rows	A	VT_BSTR	

Return value

The number of rows contained in the result view after the insertion.

Rows

Contains an XML document that describes the rows to be inserted. The XML document is structured according to the following DTD.

```
<!ELEMENT rows (row*)>
<!ELEMENT row (pitem, attributevalues?)>
<!ELEMENT pitem (pguid?, ptype, pkey, pinfo?, pname?, (ntype, nkey)?)>
<!ELEMENT pguid (#PCDATA)>
<!ELEMENT ptype (#PCDATA)>
<!ELEMENT pkey  (#PCDATA)>
<!ELEMENT pinfo (#PCDATA)>
<!ELEMENT pname (#PCDATA)>
<!ELEMENT ntype (#PCDATA)>
<!ELEMENT nkey  (#PCDATA)>
<!ELEMENT attributevalues (attval*)>
<!ELEMENT attval    (akey, avalue)>
<!ELEMENT akey (#PCDATA)>
<!ELEMENT avalue     (#PCDATA)>
```

Element	Meaning
pctype	The type of the node to be inserted.
pkey	The key that identifies the node within its type.
pguid	Needs not to be filled if the node type has been defined by the plug-in itself. It is used to refer to node types of other plug-ins, if these are known.
pinfo	Additional information about the node that the plug-in wants to receive back whenever Natural Studio later refers to the node. Natural Studio never considers the content of this element, put just passes it back and forth.
pname	The text to be displayed with the node.
ntype	If the node has been defined by a plug-in, but corresponds to a node of a predefined Natural Studio type, this element contains the type of the corresponding predefined node.
nkey	If the node has been defined by a plug-in, but corresponds to a node of a predefined Natural node type, this element contains the key of the corresponding predefined node.
attributevalues	The attribute values to be displayed with the node. These are specified as an XML document according to the DTD used with the method `INaturalStudioPlugInTree::GetAttributeValues`.

Update

To avoid flickering, the result view is not redrawn after each call to `InsertRows`. After a series of calls to `InsertRows` the method `Update` should be called to redraw the result view.

SetVisible

Makes the specified row visible and scrolls the result view if necessary.

Parameters

Name	Natural Data Format	Variant Type	Remark
Row	I4	VT_I4	

Row

Contains the number of the row to be scrolled into view. To position to the last inserted row, use the row number that was returned from the method `InsertRows`.

Clear

Removes all rows from the result view.

Close

Closes the result view.