

Attribute: Get and Remove Attribute

Property

Functions

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|-----------------|---|
| afx_msg long | OSPropertyUI::DeleteMemberAttribute (LPCTSTR strAttributeName, LPCTSTR strValue) Delete the member attribute by name. |
| afx_msg long | OSPropertyUI::GetMemberCountByAttribute (LPCTSTR strAttributeName, LPCTSTR strValue) Return the number of member(s) in specified attribute. |
| afx_msg long | OSPropertyUI::GetMemberListByAttribute (LPCTSTR strAttributeName, LPCTSTR strValue, const VARIANT FAR &varMemberList) Get member list by attribute. |
| afx_msg VARIANT | OSPropertyUI::GetMemberAttributeCount () Get the Count of Member Attribute. |
| afx_msg VARIANT | OSPropertyUI::GetMemberAttributeList (VARIANT FAR &attributeNameList, VARIANT FAR &attributeValueList) Get Member Attribute List. |
| afx_msg long | OSPropertyUI::DeleteElementAttribute (LPCTSTR strAttributeName, LPCTSTR strValue) Delete the element attribute by name. |
| afx_msg long | OSPropertyUI::GetElementCountByAttribute (LPCTSTR strAttributeName, LPCTSTR strValue) Return the number of element(s) in specified attribute. |
| afx_msg long | OSPropertyUI::GetElementListByAttribute (LPCTSTR strAttributeName, LPCTSTR strValue, const VARIANT FAR &varElementList) Get element list by attribute. |
| afx_msg long | OSPropertyUI::GetAssignedAttributeCount (long nMembOrPlateNo) Get the number of attribute with nMembOrPlateNo member or plate included. |
| afx_msg long | OSPropertyUI::GetAssignedAttributeByIndex (long nIndex, BSTR FAR *varAttributeName, BSTR FAR *varValue) |
| afx_msg long | OSPropertyUI::RemoveAttribute (LPCTSTR strAttributeName, LPCTSTR strValue, const VARIANT FAR &varMemberList) Remove the member(s) from specified attribute. |

Detailed Description

These functions are related to get or remove attribute.

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Function Documentation

◆ DeleteElementAttribute()

```
long OSPropertyUI::DeleteElementAttribute ( LPCTSTR strAttributeName,
                                           LPCTSTR strValue )
```

Delete the element attribute by name.

Parameters

- [in] **strAttributeName** Name of the attribute.
- [in] **strValue** A string value

Return values

- 0 OK.
- 1 General error.

C++ Syntax

```
// Delete element attribute named "EleAttri1".
long RetVal = OSPropertyUI::DeleteElementAttribute((LPCTSTR)"EleAttri1", (LPCTSTR)"A
string value");
```

VBA Syntax

```
' Delete element attribute named "EleAttri1".
Dim RetVal As long = OSPropertyUI.DeleteElementAttribute("EleAttri1", "A string value");
```

See also

[OSPropertyUI::CreateElementAttribute](#)
[OSPropertyUI::AssignElementAttribute](#)

◆ DeleteMemberAttribute()

```
long OSPropertyUI::DeleteMemberAttribute ( LPCTSTR strAttributeName,  
                                           LPCTSTR strValue )
```

Delete the member attribute by name.

Parameters

[in] **strAttributeName** Name of the attribute.

[in] **strValue** A string value

Return values

0 OK.

-1 General error.

C++ Syntax

```
// Delete member attribute named "MemAttri1".  
long RetVal = OSPropertyUI::DeleteMemberAttribute((LPCTSTR)"MemAttri1", (LPCTSTR)"A  
string value");
```

VBA Syntax

```
' Delete member attribute named "MemAttri1".  
Dim RetVal As long = OSPropertyUI.DeleteMemberAttribute("MemAttri1", "A string value");
```

See also

[OSPropertyUI::CreateMemberAttribute](#)

[OSPropertyUI::AssignMemberAttribute](#)

◆ GetAssignedAttributeByIndex()

```
long OSPropertyUI::GetAssignedAttributeByIndex ( long      nIndex,
                                                BSTR FAR * varAttributeName,
                                                BSTR FAR * varValue )
```

Parameters

[in] **nIndex** The attribute index.
 [out] **varAttributeName** Attribute name.
 [out] **varValue** A string value

Return values

0 OK.
 -1 General error.

C++ Syntax

```
// Get the name and value of attribute #1
long RetVal = OSPropertyUI::GetAssignedAttributeByIndex(1, &varAttributeName, &varValue);
```

VBA Syntax

```
' Get the name and value of attribute #1
Dim RetVal As long = OSPropertyUI.GetAssignedAttributeByIndex(1, &varAttributeName,
    &varValue);
```

◆ GetAssignedAttributeCount()

long OSPropertyUI::GetAssignedAttributeCount (long nMembOrPlateNo)

Get the number of attribute with **nMembOrPlateNo** member or plate included.

Parameters

[in] **nMembOrPlateNo** The number ID of member or plate.

Returns

The number of attribute associated with **nMembOrPlateNo** member (if member with this ID exists) or plate (if member not exist).

C++ Syntax

```
// Get the number of attribute(s) with member or plate #3 included.  
long RetVal = OSPropertyUI::GetAssignedAttributeCount(3);
```

VBA Syntax

```
' Get the number of attribute(s) with member or plate #3 included.  
Dim RetVal As long = OSPropertyUI.GetAssignedAttributeCount();
```

◆ GetElementCountByAttribute()

```
long OSPropertyUI::GetElementCountByAttribute ( LPCTSTR strAttributeName,
                                                LPCTSTR strValue )
```

Return the number of element(s) in specified attribute.

Parameters

[in] **strAttributeName** Name of the attribute.

[in] **strValue** A string value

Return values

<Val> The number of element(s) in specified attribute.

-1 General error.

C++ Syntax

```
// Get the count number.
long nEleAttri = OSPropertyUI::GetElementCountByAttribute((LPCTSTR)"EleAttri1",
    LPCTSTR)"A string value");
```

VBA Syntax

```
' Get the count number.
Dim RetVal As long = OSPropertyUI.DeleteElementAttribute("EleAttri1", "A string value");
```

See also

[OSPropertyUI::GetElementListByAttribute](#)

◆ GetElementListByAttribute()

```
long OSPropertyUI::GetElementListByAttribute ( LPCTSTR          strAttributeName,
                                              LPCTSTR          strValue,
                                              const VARIANT FAR & varElementList )
```

Get element list by attribute.

Parameters

- [in] **strAttributeName** Name of the attribute.
- [in] **strValue** A string value
- [out] **varElementList** Element(s) number ID VARIANT array.

Return values

- 0 OK.
- 1 General error.

C++ Syntax

```
// Get element(s) list in attribute "EleAttri1".
long RetVal = OSPropertyUI::GetElementListByAttribute((LPCTSTR)"EleAttri1", LPCTSTR)"A
string value", &varElementList);
```

VBA Syntax

```
' Get element(s) list in attribute "EleAttri1".
Dim RetVal As long = OSPropertyUI.GetElementListByAttribute("EleAttri1", "A string
value", &varElementList);
```

See also

[OSPropertyUI::GetMemberCountByAttribute](#)

◆ GetMemberAttributeCount()

VARIANT OSPropertyUI::GetMemberAttributeCount ()

Get the Count of Member Attribute.

Return values

Member Attribute Count(Type: Long).

C++ Syntax

```
// Get member attribute count
long RetVal = OSPropertyUI::GetMemberAttributeCount();
```

VBA Syntax

```
Option Explicit
Sub Main
    Dim objOpenStaad As Object
    Dim stdFile As String
    Set objOpenStaad = GetObject("StaadPro.OpenSTAAD")
    objOpenStaad.GetSTAADFile stdFile, "TRUE"
    If stdFile="" Then
        MsgBox"Bad"
        Set objOpenStaad = Nothing
        Exit Sub
    End If
    Dim RetVal As long
    'Get member attribute count.
    RetVal =objOpenStaad.Property.GetMemberAttributeCount()
    Set objOpenStaad = Nothing
End Sub
```

See also

[OSPropertyUI::GetMemberCountByAttribute](#)

◆ GetMemberAttributeList()

VARIANT OSPropertyUI::GetMemberAttributeList (VARIANT FAR & **attributeNameList**,
 VARIANT FAR & **attributeValueList**)

Get Member Attribute List.

Parameters

[out] **attributeNameList** attribute Name List(Type: String Array).

[out] **attributeValueList** attribute Value List(Type: String Array).

Return values

Member Attribute Count(Type: Long).

C++ Syntax

```
// Get member attribute List.
long RetVal = OSPropertyUI::GetMemberAttributeList(&attributeNameList,
  &attributeValueList);
```

VBA Syntax

```
Option Explicit
Sub Main
  Dim objOpenStaad As Object
  Dim stdFile As String
  Set objOpenStaad = GetObject("StaadPro.OpenSTAAD")
  objOpenStaad.GetSTAADFile stdFile, "TRUE"
  If stdFile="" Then
    MsgBox"Bad"
    Set objOpenStaad = Nothing
    Exit Sub
  End If
  Dim attributeCount As Integer
  attributeCount = objOpenStaad.Property.GetMemberAttributeCount
  Dim attributeName() As String
  Dim attributeValue() As String
  ReDim attributeName(attributeCount-1) As String
  ReDim attributeValue(attributeCount-1) As String
  Dim ret As Integer
  ret = objOpenStaad.Property.GetMemberAttributeList (attributeName,
  attributeValue)
  MsgBox"Macro Ending"
  Set objOpenStaad = Nothing
End Sub
```

See also

[OSPropertyUI::GetMemberCountByAttribute](#)

◆ GetMemberCountByAttribute()

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```
long OSPropertyUI::GetMemberCountByAttribute ( LPCTSTR strAttributeName,
                                                LPCTSTR strValue )
```

Return the number of member(s) in specified attribute.

Parameters

[in] **strAttributeName** Name of the attribute.

[in] **strValue** A string value

Return values

<Val> The number of member in specified attribute.

-1 General error.

C++ Syntax

```
// Get the count number.
long nMemAttri = OSPropertyUI::GetMemberCountByAttribute((LPCTSTR)"MemAttri1",
    (LPCTSTR)"A string value");
```

VBA Syntax

```
' Get the count number.
Dim nMemAttri As long = OSPropertyUI.GetMemberCountByAttribute("MemAttri1", "A string
    value");
```

See also

[OSPropertyUI::GetMemberListByAttribute](#)

◆ GetMemberListByAttribute()

```
long OSPropertyUI::GetMemberListByAttribute ( LPCTSTR          strAttributeName,
                                              LPCTSTR          strValue,
                                              const VARIANT FAR & varMemberList )
```

Get member list by attribute.

Parameters

- [in] **strAttributeName** Name of the attribute.
- [in] **strValue** A string value
- [out] **varMemberList** Member(s) number ID VARIANT array.

Return values

- 0 OK.
- 1 General error.

C++ Syntax

```
// Get member(s) list in attribute "MemAttri1".
long RetVal = OSPropertyUI::GetMemberListByAttribute((LPCTSTR)"MemAttri1", (LPCTSTR)"A
string value", &varMemberList);
```

VBA Syntax

```
' Get member(s) list in attribute "MemAttri1".
Dim RetVal As long = OSPropertyUI.GetMemberListByAttribute("MemAttri1", "A string value",
&varMemberList);
```

See also

[OSPropertyUI::GetMemberCountByAttribute](#)

◆ RemoveAttribute()

```
long OSPropertyUI::RemoveAttribute ( LPCTSTR          strAttributeName,
                                     LPCTSTR          strValue,
                                     const VARIANT FAR & varMemberList )
```

Remove the member(s) from specified attribute.

Parameters

- [in] **strAttributeName** Name of the attribute.
- [in] **strValue** A string value
- [in] **varMemberList** Member(s) number ID list VARIANT array.

Return values

- 0 OK.
- 1 General error.

C++ Syntax

```
// Remove \b varMemberList list of member(s) from attribute "EleAttri1".
long RetVal = OSPropertyUI::RemoveAttribute((LPCTSTR)"EleAttri1", (LPCTSTR)"Unknown",
                                             varMemberList);
```

VBA Syntax

```
' Remove \b varMemberList list of member(s) from attribute "EleAttri1".
Dim RetVal As long = OSPropertyUI.RemoveAttribute("EleAttri1", "Unknown", varMemberList);
```

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