OpcTextPropertyNode Members

Namespace: Opc.UaFx
Assemblies: Opc.UaFx.Advanced.dll, Opc.UaFx.Advanced.dll
The OpcTextPropertyNode type exposes the following members.

Constructors

OpcTextPropertyNode(IOpcNode, OpcName)

Initializes a new instance of the OpcTextPropertyNode class accessible by the `name` specified as a child node of the `parent` node given.

C#

```
public OpcTextPropertyNode(IOpcNode parent, OpcName name)
```

Parameters

`parent` IOpcNode

The IOpcNode used as the parent node or a null reference (Nothing in Visual Basic) in the case there is no parent node available.

`name` OpcName

The OpcName through that the new text property node can be accessed.

OpcTextPropertyNode(IOpcNode, OpcName, OpcNodeId)

Initializes a new instance of the OpcTextPropertyNode class accessible by the `name` and `id` specified as a child node of the `parent` node given.

C#

```
public OpcTextPropertyNode(IOpcNode parent, OpcName name, OpcNodeId id)
```

Parameters

`parent` IOpcNode

The IOpcNode used as the parent node or a null reference (Nothing in Visual Basic) in the case there is no parent node available.

`name` OpcName

The OpcName through that the new text property node can be accessed.

`id` OpcNodeId

The OpcNodeId through that the new text property node can be identified and accessed.

OpcTextPropertyNode(IOpcNode, OpcName, OpcNodeId, OpcText)

Initializes a new instance of the OpcTextPropertyNode class accessible by the `name` and `id` specified with the initial value defined by `value` as a child node of the `parent` node given.

C#

```
public OpcTextPropertyNode(IOpcNode parent, OpcName name, OpcNodeId id, OpcText value)
```

Parameters

`parent` IOpcNode

The IOpcNode used as the parent node or a null reference (Nothing in Visual Basic) in the case there is no parent node available.

`name` OpcName

The OpcName through that the new text property node can be accessed.

`id` OpcNodeId

The OpcNodeId through that the new text property node can be identified and accessed.

`value` OpcText

The initial value of the new text property node.

OpcTextPropertyNode(IOpcNode, OpcName, OpcText)

Initializes a new instance of the OpcTextPropertyNode class accessible by the `name` specified with the initial value defined by `value` as a child node of the `parent` node given.

C#

```
public OpcTextPropertyNode(IOpcNode parent, OpcName name, OpcText value)
```

Parameters

`parent` IOpcNode

The IOpcNode used as the parent node or a null reference (Nothing in Visual Basic) in the case there is no parent node available.

`name` OpcName

The OpcName through that the new text property node can be accessed.

`value` OpcText

The initial value of the new text property node.

OpcTextPropertyNode(OpcName)

Initializes a new instance of the OpcTextPropertyNode class accessible by the `name` specified.

C#

```
public OpcTextPropertyNode(OpcName name)
```

Parameters

`name` OpcName

The OpcName through that the new text property node can be accessed.

OpcTextPropertyNode(OpcName, OpcNodeId)

Initializes a new instance of the OpcTextPropertyNode class accessible by the `name` and `id` specified.

C#

```
public OpcTextPropertyNode(OpcName name, OpcNodeId id)
```

Parameters

`name` OpcName

The OpcName through that the new text property node can be accessed.

`id` OpcNodeId

The OpcNodeId through that the new text property node can be identified and accessed.

OpcTextPropertyNode(OpcName, OpcNodeId, OpcText)

Initializes a new instance of the OpcTextPropertyNode class accessible by the `name` and `id` specified with the initial value given by `value`.

C#

```
public OpcTextPropertyNode(OpcName name, OpcNodeId id, OpcText value)
```

Parameters

`name` OpcName

The OpcName through that the new text property node can be accessed.

`id` OpcNodeId

The OpcNodeId through that the new text property node can be identified and accessed.

`value` OpcText

The initial value of the new text property node.

OpcTextPropertyNode(OpcName, OpcText)

Initializes a new instance of the OpcTextPropertyNode class accessible by the `name` specified with the initial value given by `value`.

C#

```
public OpcTextPropertyNode(OpcName name, OpcText value)
```

Parameters

`name` OpcName

The OpcName through that the new text property node can be accessed.

`value` OpcText

The initial value of the new text property node.

Properties

ReadTextPropertyValueCallback

Gets or sets a callback used to read the text property value.

C#

```
public OpcReadTextPropertyValueCallback ReadTextPropertyValueCallback { get; set; }
```

Property Value

OpcReadTextPropertyValueCallback

A OpcReadTextPropertyValueCallback used to read the text property value as the type OpcText. The value can also be a null reference (Nothing in Visual Basic).

Remarks

This callback is used in call chain with the ReadPropertyValueCallback and will be called with the outcome of that callback routine (in case there is one defined).

Value

Gets or sets the value of the property node.

C#

```
public OpcText Value { get; set; }
```

Property Value

OpcText

A OpcText representing the value of the property node. This can be also a null reference (Nothing in Visual Basic).

WriteTextPropertyValueCallback

Gets or sets a callback used to write the text property value.

C#

```
public OpcWriteTextPropertyValueCallback WriteTextPropertyValueCallback { get; set; }
```

Property Value

OpcWriteTextPropertyValueCallback

A OpcWriteTextPropertyValueCallback used to write the text property value as the type OpcText. The value can also be a null reference (Nothing in Visual Basic).

Remarks

This callback is used in call chain with the WritePropertyValueCallback and will be called with the outcome of that callback routine (in case there is one defined).

Methods

ReadPropertyValueCore(OpcReadPropertyValueContext, OpcPropertyValue<Object>)

Reads the value of the property node using the `context` and `value` information specified.

C#

```
protected override sealed OpcPropertyValue<object>
ReadPropertyValueCore(OpcReadPropertyValueContext context, OpcPropertyValue<object> value)
```

Parameters

`context` OpcReadPropertyValueContext

The OpcReadPropertyValueContext to use to read the property node value.

`value` OpcPropertyValue<Object>

The OpcPropertyValue´1 containing the currently used value constructed by the value information contained in the property node cache.

Returns

OpcPropertyValue<Object>

The OpcPropertyValue´1 read using the ReadPropertyValueCallback or the `value` if there is no custom callback routine defined.

ReadTextPropertyValueCore(OpcReadPropertyValueContext<OpcTextPropertyNode>, OpcPropertyValue<OpcText>)

Reads the text value of the property node using the `context` and `value` information specified.

C#

```
protected virtual OpcPropertyValue<OpcText>
ReadTextPropertyValueCore(OpcReadPropertyValueContext<OpcTextPropertyNode> context,
OpcPropertyValue<OpcText> value)
```

Parameters

`context` OpcReadPropertyValueContext<OpcTextPropertyNode>

The OpcReadPropertyValueContext´1 to use to read the property node value.

`value` OpcPropertyValue<OpcText>

The OpcPropertyValue´1 containing the currently used value constructed by the value information contained in the property node cache.

Returns

OpcPropertyValue<OpcText>

The OpcPropertyValue´1 read using the ReadTextPropertyValueCallback or the `value` if there is no custom callback routine defined.

ReadTextValue(OpcReadVariableValueContext)

Reads the text value of the property node.

C#

```
public OpcText ReadTextValue(OpcReadVariableValueContext context)
```

Parameters

`context` OpcReadVariableValueContext

The OpcReadVariableValueContext to use when reading the value.

Returns

OpcText

The OpcText value of the text property node read.

Exceptions

ArgumentNullException

The `context` is a null reference (Nothing in Visual Basic).

WritePropertyValueCore(OpcWritePropertyValueContext, OpcPropertyValue<Object>)

Writes the value of the property node using the `context` and `value` information specified.

C#

```
protected override sealed OpcPropertyValue<object>
WritePropertyValueCore(OpcWritePropertyValueContext context, OpcPropertyValue<object> value)
```

Parameters

`context` OpcWritePropertyValueContext

The OpcWritePropertyValueContext to use to write the property node value.

`value` OpcPropertyValue<Object>

The OpcPropertyValue´1 containing the currently used value constructed by the value information contained in the property node cache.

Returns

OpcPropertyValue<Object>

The OpcPropertyValue´1 written using the WritePropertyValueCallback or the `value` if there is no custom callback routine defined.

WriteTextPropertyValueCore(OpcWritePropertyValueContext<OpcTextPropertyNode>, OpcPropertyValue<OpcText>)

Writes the text value of the property node using the `context` and `value` information specified.

C#

```
protected virtual OpcPropertyValue<OpcText>
WriteTextPropertyValueCore(OpcWritePropertyValueContext<OpcTextPropertyNode> context,
OpcPropertyValue<OpcText> value)
```

Parameters

`context` OpcWritePropertyValueContext<OpcTextPropertyNode>

The OpcWritePropertyValueContext´1 to use to write the property node value.

`value` OpcPropertyValue<OpcText>

The OpcPropertyValue´1 containing the currently used value constructed by the value information contained in the property node cache.

Returns

OpcPropertyValue<OpcText>

The OpcPropertyValue´1 written using the WriteTextPropertyValueCallback or the `value` if there is no custom callback routine defined.

WriteTextValue(OpcWriteVariableValueContext, OpcText)

Writes the value of the property node specified by `value`.

C#

```
public void WriteTextValue(OpcWriteVariableValueContext context, OpcText value)
```

Parameters

`context` OpcWriteVariableValueContext

The OpcWriteVariableValueContext to use when writing the value.

`value` OpcText

The OpcText value of the text property node to write.

Exceptions

ArgumentNullException

The `context` is a null reference (Nothing in Visual Basic).

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