

OpcNodeIdPropertyNode Members

Namespace: Opc.UaFx

Assemblies: Opc.UaFx.Advanced.dll, Opc.UaFx.Advanced.dll

The [OpcNodeIdPropertyNode](#) type exposes the following members.

Constructors

OpcNodeIdPropertyNode(IOpcNode, OpcName)

Initializes a new instance of the [OpcNodeIdPropertyNode](#) class accessible by the **name** specified as a child node of the **parent** node given.

C#

```
public OpcNodeIdPropertyNode(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 node identifier property node can be accessed.

OpcNodeIdPropertyNode(IOpcNode, OpcName, OpcNodeId)

Initializes a new instance of the [OpcNodeIdPropertyNode](#) class accessible by the **name** and **id** specified as a child node of the **parent** node given.

C#

```
public OpcNodeIdPropertyNode(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 node identifier property node can be accessed.

id [OpcNodeId](#)

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

OpcNodeIdPropertyNode(IOpcNode, OpcName, OpcNodeId, OpcNodeId)

Initializes a new instance of the `OpcNodeIdPropertyNode` 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 OpcNodeIdPropertyNode(IOpcNode parent, OpcName name, OpcNodeId id, OpcNodeId 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 node identifier property node can be accessed.

`id` `OpcNodeId`

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

`value` `OpcNodeId`

The initial value of the new node identifier property node.

OpcNodeIdPropertyNode(OpcName)

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

C#

```
public OpcNodeIdPropertyNode(OpcName name)
```

Parameters

`name` `OpcName`

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

OpcNodeIdPropertyNode(OpcName, OpcNodeId)

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

C#

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

Parameters

name [OpcName](#)

The [OpcName](#) through that the new node identifier property node can be accessed.

id [OpcNodeId](#)

The [OpcNodeId](#) through that the new node identifier property node can be identified and accessed.

OpcNodeIdPropertyName(OpcName, OpcNodeId, OpcNodeId)

Initializes a new instance of the [OpcNodeIdPropertyName](#) class accessible by the **name** and **id** specified with the initial value given by **value**.

C#

```
public OpcNodeIdPropertyName(OpcName name, OpcNodeId id, OpcNodeId value)
```

Parameters

name [OpcName](#)

The [OpcName](#) through that the new node identifier property node can be accessed.

id [OpcNodeId](#)

The [OpcNodeId](#) through that the new node identifier property node can be identified and accessed.

value [OpcNodeId](#)

The initial value of the new node identifier property node.

Properties

ReadNodeIdPropertyValueCallback

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

C#

```
public OpcReadNodeIdPropertyValueCallback ReadNodeIdPropertyValueCallback { get; set; }
```

Property Value

[OpcReadNodeIdPropertyValueCallback](#)

A [OpcReadNodeIdPropertyValueCallback](#) used to read the node identifier property value as the type [OpcNodeId](#). 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 OpcNodeId Value { get; set; }
```

Property Value

[OpcNodeId](#)

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

WriteNodeIdPropertyValueCallback

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

C#

```
public OpcWriteNodeIdPropertyValueCallback WriteNodeIdPropertyValueCallback { get; set; }
```

Property Value

[OpcWriteNodeIdPropertyValueCallback](#)

A [OpcWriteNodeIdPropertyValueCallback](#) used to write the node identifier property value as the type [OpcNodeId](#). 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

[ReadNodeIdPropertyValueCore](#)(OpcReadPropertyValueContext<OpcNodeIdPropertyNode>,

OpcPropertyValue<OpcNodeId>)

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

C#

```
protected virtual OpcPropertyValue<OpcNodeId>
ReadNodeIdPropertyValueCore(OpcReadPropertyValueContext<OpcNodeIdPropertyNode> context,
OpcPropertyValue<OpcNodeId> value)
```

Parameters

context [OpcReadPropertyValueContext<OpcNodeIdPropertyNode>](#)

The [OpcReadPropertyValueContext](#) to use to read the property node value.

value [OpcPropertyValue<OpcNodeId>](#)

The [OpcPropertyValue](#) containing the currently used value constructed by the value information contained in the property node cache.

Returns

[OpcPropertyValue<OpcNodeId>](#)

The [OpcPropertyValue](#) read using the [ReadNodeIdPropertyValueCallback](#) or the **value** if there is no custom callback routine defined.

ReadNodeIdValue(OpcReadVariableValueContext)

Reads the node identifier value of the property node.

C#

```
public OpcNodeId ReadNodeIdValue(OpcReadVariableValueContext context)
```

Parameters

context [OpcReadVariableValueContext](#)

The [OpcReadVariableValueContext](#) to use when reading the value.

Returns

[OpcNodeId](#)

The [OpcNodeId](#) value of the node identifier property node read.

Exceptions

[ArgumentNullException](#)

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

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.

WriteNodeIdPropertyValueCore(OpcWritePropertyValueContext<OpcNodeIdPropertyNode>, OpcPropertyValue<OpcNodeId>)

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

C#

```
protected virtual OpcPropertyValue<OpcNodeId>
WriteNodeIdPropertyValueCore(OpcWritePropertyValueContext<OpcNodeIdPropertyNode> context,
OpcPropertyValue<OpcNodeId> value)
```

Parameters

`context` OpcWritePropertyValueContext<OpcNodeIdPropertyNode>

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

`value` OpcPropertyValue<OpcNodeId>

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

Returns

[OpcPropertyValue<OpcNodeId>](#)

The [OpcPropertyValue](#) written using the [WriteNodeIdPropertyValueCallback](#) or the [value](#) if there is no custom callback routine defined.

WriteNodeIdValue(OpcWriteVariableValueContext, OpcNodeId)

Writes the value of the property node specified by [value](#).

C#

```
public void WriteNodeIdValue(OpcWriteVariableValueContext context, OpcNodeId value)
```

Parameters

[context](#) [OpcWriteVariableValueContext](#)

The [OpcWriteVariableValueContext](#) to use when writing the value.

[value](#) [OpcNodeId](#)

The [OpcNodeId](#) value of the node identifier property node to write.

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](#) containing the currently used value constructed by the value information

contained in the property node cache.

Returns

`OpcPropertyValue<Object>`

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

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