

OpcNamePropertyNode Members

Namespace: Opc.UaFx

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

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

Constructors

OpcNamePropertyNode(IOpcNode, OpcName)

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

C#

```
public OpcNamePropertyNode(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 name property node can be accessed.

OpcNamePropertyNode(IOpcNode, OpcName, OpcName)

Initializes a new instance of the [OpcNamePropertyNode](#) class accessible by the **name** specified with the initial value defined by **value** as a child node of the **parent** node given.

C#

```
public OpcNamePropertyNode(IOpcNode parent, OpcName name, OpcName 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 name property node can be accessed.

value [OpcName](#)

The initial value of the new name property node.

OpcNamePropertyNode(IOpcNode, OpcName, OpcNodeId)

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

C#

```
public OpcNamePropertyNode(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 name property node can be accessed.

[id](#) [OpcNodeId](#)

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

OpcNamePropertyNode(IOpcNode, OpcName, OpcNodeId, OpcName)

Initializes a new instance of the [OpcNamePropertyNode](#) 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 OpcNamePropertyNode(IOpcNode parent, OpcName name, OpcNodeId id, OpcName 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 name property node can be accessed.

[id](#) [OpcNodeId](#)

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

[value](#) [OpcName](#)

The initial value of the new name property node.

OpcNamePropertyNode(OpcName)

Initializes a new instance of the [OpcNamePropertyNode](#) class accessible by the **name** specified.

C#

```
public OpcNamePropertyNode(OpcName name)
```

Parameters

name [OpcName](#)

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

OpcNamePropertyNode(OpcName, OpcName)

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

C#

```
public OpcNamePropertyNode(OpcName name, OpcName value)
```

Parameters

name [OpcName](#)

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

value [OpcName](#)

The initial value of the new name property node.

OpcNamePropertyNode(OpcName, OpcNodeId)

Initializes a new instance of the [OpcNamePropertyNode](#) class accessible by the **name** and **id** specified.

C#

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

Parameters

name [OpcName](#)

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

id [OpcNodeId](#)

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

OpcNamePropertyNode(OpcName, OpcNodeId, OpcName)

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

C#

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

Parameters

[name](#) [OpcName](#)

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

[id](#) [OpcNodeId](#)

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

[value](#) [OpcName](#)

The initial value of the new name property node.

Properties

ReadNamePropertyValueCallback

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

C#

```
public OpcReadNamePropertyValueCallback ReadNamePropertyValueCallback { get; set; }
```

Property Value

[OpcReadNamePropertyValueCallback](#)

A [OpcReadNamePropertyValueCallback](#) used to read the name property value as the type [OpcName](#). 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 OpcName Value { get; set; }
```

Property Value

OpcName

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

WriteNamePropertyValueCallback

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

C#

```
public OpcWriteNamePropertyValueCallback WriteNamePropertyValueCallback { get; set; }
```

Property Value

OpcWriteNamePropertyValueCallback

A [OpcWriteNamePropertyValueCallback](#) used to write the name property value as the type [OpcName](#). 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

ReadNamePropertyValueCore(OpcReadPropertyValueContext<OpcNamePropertyNode>, OpcPropertyValue<OpcName>)

Reads the name value of the property node using the [context](#) and [value](#) information specified.

C#

```
protected virtual OpcPropertyValue<OpcName>
ReadNamePropertyValueCore(OpcReadPropertyValueContext<OpcNamePropertyNode> context,
OpcPropertyValue<OpcName> value)
```

Parameters

context `OpcReadPropertyValueContext<OpcNamePropertyNode>`

The `OpcReadPropertyValueContext` to use to read the property node value.

value `OpcPropertyValue<OpcName>`

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

Returns

`OpcPropertyValue<OpcName>`

The `OpcPropertyValue` read using the `ReadNamePropertyValueCallback` or the **value** if there is no custom callback routine defined.

ReadNameValue(OpcReadVariableValueContext)

Reads the name value of the property node.

C#

```
public OpcName ReadNameValue(OpcReadVariableValueContext context)
```

Parameters

context `OpcReadVariableValueContext`

The `OpcReadVariableValueContext` to use when reading the value.

Returns

`OpcName`

The `OpcName` value of the name 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](#) containing the currently used value constructed by the value information contained in the property node cache.

Returns

[OpcPropertyValue<Object>](#)

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

WriteNamePropertyValueCore([OpcWritePropertyValueContext<OpcNamePropertyNode>](#), [OpcPropertyValue<OpcName>](#))

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

C#

```
protected virtual OpcPropertyValue<OpcName>
WriteNamePropertyValueCore(OpcWritePropertyValueContext<OpcNamePropertyNode> context,
OpcPropertyValue<OpcName> value)
```

Parameters

context [OpcWritePropertyValueContext<OpcNamePropertyNode>](#)

The [OpcWritePropertyValueContext](#) to use to write the property node value.

value [OpcPropertyValue<OpcName>](#)

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

Returns

[OpcPropertyValue<OpcName>](#)

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

WriteNameValue([OpcWriteVariableValueContext](#), [OpcName](#))

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

C#

```
public void WriteNameValue(OpcWriteVariableValueContext context, OpcName value)
```

Parameters

context [OpcWriteVariableValueContext](#)

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

value [OpcName](#)

The [OpcName](#) value of the name 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`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.

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