

# OpcTextArrayPropertyNode Members

**Namespace:** Opc.UaFx

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

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

## Constructors

### OpcTextArrayPropertyNode(IOpcNode, OpcName)

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

**C#**

```
public OpcTextArrayPropertyNode(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 array property node can be accessed.

### OpcTextArrayPropertyNode(IOpcNode, OpcName, OpcNodeId)

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

**C#**

```
public OpcTextArrayPropertyNode(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 array property node can be accessed.

`id` OpcNodeId

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

## OpcTextArrayPropertyNode(IOpcNode, OpcName, OpcNodeId, OpcText[])

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

`id` `OpcNodeId`

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

`value` `OpcText[]`

The initial value of the new text array property node.

## OpcTextArrayPropertyNode(IOpcNode, OpcName, OpcText[])

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

### C#

```
public OpcTextArrayPropertyNode(IOpcNode parent, OpcName name, params 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 array property node can be accessed.

`value` `OpcText[]`

The initial value of the new text array property node.

## OpcTextArrayPropertyNode(OpcName)

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

**C#**

```
public OpcTextArrayPropertyNode(OpcName name)
```

### Parameters

`name` [OpcName](#)

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

## OpcTextArrayPropertyNode(OpcName, OpcNodeId)

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

**C#**

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

### Parameters

`name` [OpcName](#)

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

`id` [OpcNodeId](#)

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

## OpcTextArrayPropertyNode(OpcName, OpcNodeId, OpcText[])

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

**C#**

```
public OpcTextArrayPropertyNode(OpcName name, OpcNodeId id, params OpcText[] value)
```

### Parameters

`name` [OpcName](#)

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

`id` [OpcNodeId](#)

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

`value OpcText[]`

The initial value of the new text array property node.

## OpcTextArrayPropertyNode(OpcName, OpcText[])

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

### C#

```
public OpcTextArrayPropertyNode(OpcName name, params OpcText[] value)
```

### Parameters

`name OpcName`

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

`value OpcText[]`

The initial value of the new text array property node.

## Properties

### ReadTextPropertyValueCallback

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

### C#

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

### Property Value

[OpcReadTextArrayPropertyValueCallback](#)

A [OpcReadTextPropertyValueCallback](#) used to read the text array 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 array of [OpcText](#) objects representing the value of the property node. This can be also a null reference (Nothing in Visual Basic).

# WriteTextArrayPropertyValueCallback

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

## C#

```
public OpcWriteTextArrayPropertyValueCallback WriteTextArrayPropertyValueCallback { get; set; }
```

## Property Value

### OpcWriteTextArrayPropertyValueCallback

A [OpcWriteTextPropertyCallback](#) used to write the text array 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](#) 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.

# ReadTextArrayPropertyValueCore(OpcReadPropertyValueContext<OpcTextArrayPropertyNode>, OpcPropertyValue<OpcText[]>)

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

## C#

```
protected virtual OpcPropertyValue<OpcText[]>
ReadTextArrayPropertyValueCore(OpcReadPropertyValueContext<OpcTextArrayPropertyNode>
context, OpcPropertyValue<OpcText[]> value)
```

## Parameters

**context** [OpcReadPropertyValueContext<OpcTextArrayPropertyNode>](#)

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

**value** [OpcPropertyValue<OpcText>](#)

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

## Returns

[OpcPropertyValue<OpcText>](#)

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

# ReadTextArrayValue(OpcReadVariableValueContext)

Reads the text array value of the property node.

## C#

```
public OpcText[] ReadTextArrayValue(OpcReadVariableValueContext context)
```

## Parameters

**context** [OpcReadVariableValueContext](#)

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

## Returns

[OpcText\[\]](#)

The [OpcText](#) array value of the text array 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.

# WriteTextArrayPropertyValueCore(OpcWritePropertyValueContext<OpcTextArrayPropertyNode>, OpcPropertyValue<OpcText[]>)

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

## C#

```
protected virtual OpcPropertyValue<OpcText[]>  
WriteTextArrayPropertyValueCore(OpcWritePropertyValueContext<OpcTextArrayPropertyNode>  
context, OpcPropertyValue<OpcText[]> value)
```

## Parameters

`context` [OpcWritePropertyValueContext<OpcTextArrayPropertyNode>](#)

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

`value` [OpcPropertyValue<OpcText>](#)

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

## Returns

[OpcPropertyValue<OpcText>](#)

The [OpcPropertyValue](#) written using the [WriteTextArrayPropertyValueCallback](#) 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, params OpcText[] value)
```

## Parameters

`context` [OpcWriteVariableValueContext](#)

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

`value` [OpcText\[\]](#)

The [OpcText](#) array value of the text property node to write.

## Exceptions

## ArgumentNullException

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



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