

# OpcFileWriteMethodNode Class

**Namespace:** Opc.UaFx

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

Defines a method node to write data to a file.

**C#**

```
public class OpcFileWriteMethodNode : OpcMethodNode, IOpcNode, IOpcNodeInfo
```

**Inheritance** [Object](#) > [OpcNode](#) > [OpcInstanceNode](#) > [OpcMethodNode](#) > [OpcFileWriteMethodNode](#)

**Implements** [IOpcNode](#), [IOpcNodeInfo](#)

## Remarks

The write method node is a specialization of the [OpcMethodNode](#) there its node category is [Method](#).

## Constructors

Name	Description
<a href="#">OpcFileWriteMethodNode</a> ( <a href="#">IOpcNode</a> , <a href="#">OpcName</a> , <a href="#">FileWriteCallback</a> )	Initializes a new instance of the <a href="#">OpcFileWriteMethodNode</a> class accessible by the <a href="#">name</a> specified with the <a href="#">FileWriteCallback</a> call given by <a href="#">callback</a> as a child node of the <a href="#">parent</a> node given.
<a href="#">OpcFileWriteMethodNode</a> ( <a href="#">IOpcNode</a> , <a href="#">OpcName</a> , <a href="#">FileWriteExCallback</a> )	Initializes a new instance of the <a href="#">OpcFileWriteMethodNode</a> class accessible by the <a href="#">name</a> specified with the <a href="#">FileWriteExCallback</a> call given by <a href="#">callback</a> as a child node of the <a href="#">parent</a> node given.
<a href="#">OpcFileWriteMethodNode</a> ( <a href="#">IOpcNode</a> , <a href="#">OpcName</a> , <a href="#">OpcNodeId</a> , <a href="#">FileWriteCallback</a> )	Initializes a new instance of the <a href="#">OpcFileWriteMethodNode</a> class accessible by the <a href="#">name</a> and <a href="#">id</a> specified with the delegate to call defined by <a href="#">callback</a> as a child node of the <a href="#">parent</a> node given.
<a href="#">OpcFileWriteMethodNode</a> ( <a href="#">IOpcNode</a> , <a href="#">OpcName</a> , <a href="#">OpcNodeId</a> , <a href="#">FileWriteExCallback</a> )	Initializes a new instance of the <a href="#">OpcFileWriteMethodNode</a> class accessible by the <a href="#">name</a> and <a href="#">id</a> specified with the delegate to call defined by <a href="#">callback</a> as a child node of the <a href="#">parent</a> node given.
<a href="#">OpcFileWriteMethodNode</a> ( <a href="#">FileWriteCallback</a> )	Initializes a new instance of the <a href="#">OpcFileWriteMethodNode</a> class with the <a href="#">FileWriteCallback</a> call given by <a href="#">callback</a> .
<a href="#">OpcFileWriteMethodNode</a> ( <a href="#">FileWriteExCallback</a> )	Initializes a new instance of the <a href="#">OpcFileWriteMethodNode</a> class with the <a href="#">FileWriteExCallback</a> call given by <a href="#">callback</a> .

Name	Description
<code>OpcFileWriteMethodNode(OpcName, FileWriteCallback)</code>	Initializes a new instance of the <code>OpcFileWriteMethodNode</code> class accessible by the <code>name</code> specified with the <code>FileWriteCallback</code> call given by <code>callback</code> .
<code>OpcFileWriteMethodNode(OpcName, FileWriteExCallback)</code>	Initializes a new instance of the <code>OpcFileWriteMethodNode</code> class accessible by the <code>name</code> specified with the <code>FileWriteExCallback</code> call given by <code>callback</code> .
<code>OpcFileWriteMethodNode(OpcName, OpcNodeId, FileWriteCallback)</code>	Initializes a new instance of the <code>OpcFileWriteMethodNode</code> class accessible by the <code>name</code> and <code>id</code> specified with the delegate to call given by <code>callback</code> .
<code>OpcFileWriteMethodNode(OpcName, OpcNodeId, FileWriteExCallback)</code>	Initializes a new instance of the <code>OpcFileWriteMethodNode</code> class accessible by the <code>name</code> and <code>id</code> specified with the delegate to call given by <code>callback</code> .

## Events

Name	Description
<code>AfterApplyChanges</code>	Occurs after one or more changes on the node has been notified. (Inherited from <code>OpcNode</code> )
<code>BeforeApplyChanges</code>	Occurs before one or more changes on the node are notified. (Inherited from <code>OpcNode</code> )

## Properties

Name	Description
<code>Callback</code>	Gets the <code>Delegate</code> of the method to invoke in case there this method node is called. (Inherited from <code>OpcMethodNode</code> )
<code>CanExecute</code>	Gets or sets a value indicating whether the method can be called. (Inherited from <code>OpcMethodNode</code> )
<code>CanUserExecute</code>	Gets or sets a value indicating whether the method can be called by the current user. (Inherited from <code>OpcMethodNode</code> )
<code>Category</code>	Gets the <code>NodeCategoryOpcAttribute</code> which identifies the kind of node and is therefore used to classify the node regarding its use and purpose. (Inherited from <code>OpcNode</code> )
<code>Command</code>	Gets the <code>IOpcMethodCommand</code> of the method to invoke in case there this method node is called. (Inherited from <code>OpcMethodNode</code> )
<code>DefaultReferenceTypeId</code>	Gets the default identifier which identifies the type that defines the underlying node reference within this <code>OpcInstanceNode</code> is referenced by its parent node. (Inherited from <code>OpcInstanceNode</code> )
<code>DefaultReferenceTypeId</code>	Gets the default identifier which identifies the type that defines the underlying node reference within this <code>OpcInstanceNode</code> is referenced by its parent node. (Inherited from <code>OpcMethodNode</code> )
<code>DefaultTypeDefinitionId</code>	Gets the default identifier which identifies the node that defines the underlying node type from that this <code>OpcInstanceNode</code> has been created.

Name	Description
DefaultTypeDefinitionId	Gets the default identifier which identifies the node that defines the underlying node type from that this <a href="#">OpcInstanceNode</a> has been created. (Inherited from <a href="#">OpcInstanceNode</a> )
Description	Gets or sets the value of the optional <a href="#">DescriptionOpcAttribute</a> which shall explain the meaning of the node. (Inherited from <a href="#">OpcNode</a> )
Descriptions	Gets the <a href="#">OpcNodeGlobalization</a> instance used to control the localization and other globalization related tasks for the <a href="#">Description</a> attribute of the current node. (Inherited from <a href="#">OpcNode</a> )
DisplayName	Gets or sets the value of the <a href="#">DisplayNameOpcAttribute</a> which defines the localizable name of the node. (Inherited from <a href="#">OpcNode</a> )
DisplayNames	Gets the <a href="#">OpcNodeGlobalization</a> instance used to control the localization and other globalization related tasks for the <a href="#">DisplayName</a> attribute of the current node. (Inherited from <a href="#">OpcNode</a> )
HasPendingChanges	Gets a value indicating whether there exists any pending change on the node. (Inherited from <a href="#">OpcNode</a> )
Id	Gets the value of the <a href="#">NodeIdOpcAttribute</a> which unambiguously identifies the node. (Inherited from <a href="#">OpcNode</a> )
InputArguments	Gets a read-only collection of <a href="#">OpcArgument</a> instances representing the arguments consumed by the method node. (Inherited from <a href="#">OpcMethodNode</a> )
ModellingRuleId	Gets or sets the identifier which defines how the <a href="#">OpcInstanceNode</a> is used for instantiation. (Inherited from <a href="#">OpcInstanceNode</a> )
Name	Gets or sets the value of the <a href="#">BrowseNameOpcAttribute</a> which defines the non-localizable human-readable name used when browsing the address space. (Inherited from <a href="#">OpcNode</a> )
Namespace	(Inherited from <a href="#">OpcNode</a> )
OutputArguments	Gets a read-only collection of <a href="#">OpcArgument</a> instances representing the arguments produced by the method node. (Inherited from <a href="#">OpcMethodNode</a> )
Parent	Gets the parent node of the node. (Inherited from <a href="#">OpcNode</a> )
Parent	Gets the parent node of the node. (Inherited from <a href="#">OpcInstanceNode</a> )
PendingChanges	Gets a value indicating the most recent changes performed on the node since their last notification. (Inherited from <a href="#">OpcNode</a> )
QueryEventsCallback	Gets or sets a callback used to query any event information which belongs to the node. (Inherited from <a href="#">OpcNode</a> )
ReadDescriptionCallback	(Inherited from <a href="#">OpcNode</a> )
ReadDisplayNameCallback	(Inherited from <a href="#">OpcNode</a> )
ReadUserWriteAccessCallback	(Inherited from <a href="#">OpcNode</a> )
ReadWriteAccessCallback	(Inherited from <a href="#">OpcNode</a> )

Name	Description
ReferenceType	Gets a value which defines a pre-defined used <a href="#">ReferenceTypeId</a> as one of the members defined by the <a href="#">OpcReferenceType</a> enumeration to simplify querying standard reference types. (Inherited from <a href="#">OpcInstanceNode</a> )
ReferenceTypeId	Gets or sets the identifier which identifies the node that defines the semantic of the reference between a source and a target node and generally reflects an operation between the two, such as "A contains B". (Inherited from <a href="#">OpcInstanceNode</a> )
SymbolicName	(Inherited from <a href="#">OpcNode</a> )
Tag	Gets or sets the object that contains additional user data about the node. (Inherited from <a href="#">OpcNode</a> )
TypeDefinitionId	Gets or sets the identifier which identifies the node that defines the underlying node type from that this <a href="#">OpcInstanceNode</a> has been created. (Inherited from <a href="#">OpcInstanceNode</a> )
UserWriteAccess	Gets or sets the value of the optional <a href="#">UserWriteAccessOpcAttribute</a> which exposes the possibilities of a client to write the attributes of the node taking user access rights into account. (Inherited from <a href="#">OpcNode</a> )
WriteAccess	Gets or sets the value of the optional <a href="#">WriteAccessOpcAttribute</a> which exposes the possibilities of a client to write the attributes of the node. (Inherited from <a href="#">OpcNode</a> )
WriteDescriptionCallback	(Inherited from <a href="#">OpcNode</a> )
WriteDisplayNameCallback	(Inherited from <a href="#">OpcNode</a> )
WriteUserWriteAccessCallback	(Inherited from <a href="#">OpcNode</a> )
WriteWriteAccessCallback	(Inherited from <a href="#">OpcNode</a> )

## Methods

Name	Description
AddChild(OpcContext, OpcInstanceNode)	(Inherited from <a href="#">OpcInstanceNode</a> )
AddNotifier(OpcContext, IOpcNode)	(Inherited from <a href="#">OpcNode</a> )
ApplyChanges(OpcContext)	Notifies about changes performed on the node since the last notification and resets the pending changes to <a href="#">None</a> . (Inherited from <a href="#">OpcNode</a> )
ApplyChanges(OpcContext, Boolean)	Notifies about changes performed on the node (and optionally on its children) since the last notification and resets the pending changes to <a href="#">None</a> . (Inherited from <a href="#">OpcNode</a> )
AttributeValue(OpcAttribute)	Retrieves the value of the <a href="#">attribute</a> specified. (Inherited from <a href="#">OpcNode</a> )
AttributeValue`1(OpcAttribute)	Retrieves the value of the <a href="#">attribute</a> specified. (Inherited from <a href="#">OpcNode</a> )
Child(OpcContext, OpcName)	Retrieves the child node its <a href="#">Name</a> property matches exactly the <a href="#">name</a> specified. (Inherited from <a href="#">OpcNode</a> )

Name	Description
Children(OpcContext)	Retrieves a sequence of all nodes organized as children of this node. (Inherited from <a href="#">OpcNode</a> )
InitializeDefaults	Initializes the default values used by the node implementation represented / required. (Inherited from <a href="#">OpcNode</a> )
InitializeDefaults	Initializes the default values used by the <a href="#">OpcInstanceNode</a> . (Inherited from <a href="#">OpcInstanceNode</a> )
InitializeDefaults	Initializes the default values used by the <a href="#">OpcInstanceNode</a> . (Inherited from <a href="#">OpcMethodNode</a> )
IsChangePending(OpcNodeChanges)	(Inherited from <a href="#">OpcNode</a> )
OnAfterApplyChanges(OpcNodeChangesEventArgs)	Raises the <a href="#">AfterApplyChanges</a> event using the event data specified. (Inherited from <a href="#">OpcNode</a> )
OnBeforeApplyChanges(OpcNodeChangesEventArgs)	Raises the <a href="#">BeforeApplyChanges</a> event using the event data specified. (Inherited from <a href="#">OpcNode</a> )
QueryEventsCore(OpcNodeContext, OpcEventCollection)	(Inherited from <a href="#">OpcNode</a> )
ReadAttributeValueCore`1(OpcReadAttributeValueContext, OpcAttributeValue)	(Inherited from <a href="#">OpcNode</a> )
ReadAttributeValueCore`1(OpcReadAttributeValueContext, OpcAttributeValue)	(Inherited from <a href="#">OpcMethodNode</a> )
RemoveChild(OpcContext, OpcInstanceNode)	(Inherited from <a href="#">OpcInstanceNode</a> )
RemoveNotifier(OpcContext, IOpcNode)	(Inherited from <a href="#">OpcNode</a> )
RemoveNotifier(OpcContext, IOpcNode)	(Inherited from <a href="#">OpcInstanceNode</a> )
ReportEvent(OpcContext, OpcEvent)	(Inherited from <a href="#">OpcNode</a> )
UpdateChanges(OpcContext, OpcNodeChanges)	Notifies about the <b>changes</b> on behalf of the node and removes pending changes which intersect with the <b>changes</b> specified. (Inherited from <a href="#">OpcNode</a> )
UpdateChanges(OpcContext, OpcNodeChanges, Boolean)	Notifies about the <b>changes</b> on behalf of the node (and optionally on its children) and removes pending changes which intersect with the <b>changes</b> specified. (Inherited from <a href="#">OpcNode</a> )
WriteAttributeValueCore`1(OpcWriteAttributeValueContext, OpcAttributeValue)	(Inherited from <a href="#">OpcNode</a> )
WriteAttributeValueCore`1(OpcWriteAttributeValueContext, OpcAttributeValue)	(Inherited from <a href="#">OpcMethodNode</a> )



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