

OpcNodeReference Class

Namespace: Opc.UaFx

Assemblies: Opc.UaFx.Advanced.dll

Defines a bunch of [OpcReference](#) instances associated with a specific node using its [IOpcNode](#) instance or a [OpcNodeId](#) to identify the belonging node the references are used for.

C#

```
public class OpcNodeReference : IOpcNodeReferenceAware
```

Inheritance [Object](#) > OpcNodeReference

Implements [IOpcNodeReferenceAware](#)

Constructors

Name	Description
OpcNodeReference(IOpcNode)	Initializes a new instance of the OpcNodeReference class using the node specified.
OpcNodeReference(IOpcNode, IEnumerable)	Initializes a new instance of the OpcNodeReference class using the node and its references specified.
OpcNodeReference(IOpcNode, OpcReference)	Initializes a new instance of the OpcNodeReference class using the node and its references specified.
OpcNodeReference(OpcNodeId)	Initializes a new instance of the OpcNodeReference class using the nodeId specified.
OpcNodeReference(OpcNodeId, IEnumerable)	Initializes a new instance of the OpcNodeReference class using the nodeId and its node specific references specified.
OpcNodeReference(OpcNodeId, OpcReference)	Initializes a new instance of the OpcNodeReference class using the nodeId and its node specific references specified.

Properties

Name	Description
Node	Gets the node to which the References belong to.
NodeId	Gets the identifier of the node to which the References belong to.
References	Gets a collection of OpcReference instances which belong the node identified by the NodeId or referred to in the Node property.

Methods

Name	Description
From(IOpcNode)	Provides a new OpcNodeReferenceSource initialized with the node specified to construct OpcNodeReference instances using the node as the source node for the subsequent defined OpcNodeReference instances.

Name	Description
From(OpcNodeId)	Provides a new OpcNodeReferenceSource initialized with the nodeId specified to construct OpcNodeReference instances using the nodeId as the identifier of the source node for the subsequent defined OpcNodeReference instances.
To(IOpcNode)	Provides a bidirectional reference using the targetNode as the target of the reference. The reference created represents a ParentToChild and ChildToParent relation using Organizes as the type of reference.
To(IOpcNode, OpcNodeId)	Provides a bidirectional reference using the targetNode as the target of the reference. The reference created represents a ParentToChild and ChildToParent relation using the type of reference identified by the referenceTypeId specified.
To(IOpcNode, OpcReferenceType)	Provides a bidirectional reference using the targetNode as the target of the reference. The reference created represents a ParentToChild and ChildToParent relation using the referenceType as the type of reference.
To(OpcNodeId)	Provides a bidirectional reference using the targetNodeId as the identifier of the target of the reference. The reference created represents a ParentToChild and ChildToParent relation using Organizes as the type of reference.
To(OpcNodeId, OpcNodeId)	Provides a bidirectional reference using the targetNodeId as the identifier of target of the reference. The reference created represents a ParentToChild and ChildToParent relation using the type of reference identified by the referenceTypeId specified.
To(OpcNodeId, OpcReferenceType)	Provides a bidirectional reference using the targetNodeId as the identifier of the target of the reference. The reference created represents a ParentToChild and ChildToParent relation using the referenceType as the type of reference.
ToChild(IOpcNode)	Provides a unidirectional reference using the targetNode as the target of the reference. The reference created represents a ParentToChild relation using Organizes as the type of reference.
ToChild(IOpcNode, OpcNodeId)	Provides a unidirectional reference using the targetNode as the target of the reference. The reference created represents a ParentToChild relation using the type of reference identified by the referenceTypeId specified.
ToChild(IOpcNode, OpcReferenceType)	Provides a unidirectional reference using the targetNode as the target of the reference. The reference created represents a ParentToChild relation using the referenceType as the type of reference.
ToChild(OpcNodeId)	Provides a unidirectional reference using the targetNodeId as the identifier of the target of the reference. The reference created represents a ParentToChild relation using Organizes as the type of reference.
ToChild(OpcNodeId, OpcNodeId)	Provides a unidirectional reference using the targetNodeId as the identifier of target of the reference. The reference created represents a ParentToChild relation using the type of reference identified by the referenceTypeId specified.
ToChild(OpcNodeId, OpcReferenceType)	Provides a unidirectional reference using the targetNodeId as the identifier of the target of the reference. The reference created represents a ParentToChild relation using the referenceType as the type of reference.
ToParent(IOpcNode)	Provides a unidirectional reference using the targetNode as the target of the reference. The reference created represents a ChildToParent relation using Organizes as the type of reference.
ToParent(IOpcNode, OpcNodeId)	Provides a unidirectional reference using the targetNode as the target of the reference. The reference created represents a ChildToParent relation using the type of reference identified by the referenceTypeId specified.
ToParent(IOpcNode, OpcReferenceType)	Provides a unidirectional reference using the targetNode as the target of the reference. The reference created represents a ChildToParent relation using the referenceType as the type of reference.

Name	Description
ToParent(OpcNodeId)	Provides a unidirectional reference using the targetNodeId as the identifier of the target of the reference. The reference created represents a ChildToParent relation using Organizes as the type of reference.
ToParent(OpcNodeId, OpcNodeId)	Provides a unidirectional reference using the targetNodeId as the identifier of target of the reference. The reference created represents a ChildToParent relation using the type of reference identified by the referenceTypeId specified.
ToParent(OpcNodeId, OpcReferenceType)	Provides a unidirectional reference using the targetNodeId as the identifier of the target of the reference. The reference created represents a ChildToParent relation using the referenceType as the type of reference.
ToString	Returns a string representing the information contained in the OpcNodeReference .

Table of Contents

Constructors	1
Properties	1
Methods	1