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 refered 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.

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