

# OpcNodeReferenceSource Class

**Namespace:** Opc.UaFx

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

Provides a set of methods to construct [OpcNodeReference](#) instances using different source node information.

**C#**

```
public class OpcNodeReferenceSource
```

**Inheritance** [Object](#) > OpcNodeReferenceSource

## Constructors

Name	Description
<a href="#">OpcNodeReferenceSource(IOpcNode)</a>	Initializes a new instance of the <a href="#">OpcNodeReferenceSource</a> class using the <b>node</b> specified from which the references constructed originate from.
<a href="#">OpcNodeReferenceSource(OpcNodeId)</a>	Initializes a new instance of the <a href="#">OpcNodeReferenceSource</a> class using the <b>nodeId</b> to identify the node from which the references constructed originate from.

## Properties

Name	Description
<a href="#">Node</a>	Gets the node from which the references constructed originate from.
<a href="#">NodeId</a>	Gets the identifier of the node from which the references constructed originate from.

## Methods

Name	Description
<a href="#">To(IEnumerable)</a>	Provides a node / references bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <b>references</b> specified.
<a href="#">To(IOpcNode)</a>	Provides a set of node / reference bundles in a new instance of the <a href="#">OpcNodeReferenceSet</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <b>targetNode</b> as the target of the references. The references created represent a <a href="#">ParentToChild</a> and <a href="#">ChildToParent</a> relation using <a href="#">Organizes</a> as the type of reference.
<a href="#">To(IOpcNode, OpcNodeId)</a>	Provides a set of node / reference bundles in a new instance of the <a href="#">OpcNodeReferenceSet</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <b>targetNode</b> as the target of the reference. The references created represent a <a href="#">ParentToChild</a> and <a href="#">ChildToParent</a> relation using the type of reference identified by the <b>referenceTypeId</b> specified.

Name	Description
To(IOpcNode, OpcReferenceType)	Provides a set of node / reference bundles in a new instance of the <a href="#">OpcNodeReferenceSet</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNode</a> as the target of the reference. The references created represent a <a href="#">ParentToChild</a> and <a href="#">ChildToParent</a> relation using the <a href="#">referenceType</a> as the type of reference.
To(OpcNodeId)	Provides a set of node / reference bundles in a new instance of the <a href="#">OpcNodeReferenceSet</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNodeId</a> as the identifier of the target of the references. The references created represent a <a href="#">ParentToChild</a> and <a href="#">ChildToParent</a> relation using <a href="#">Organizes</a> as the type of reference.
To(OpcNodeId, OpcNodeId)	Provides a set of node / reference bundles in a new instance of the <a href="#">OpcNodeReferenceSet</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNodeId</a> as the identifier of the target of the reference. The references created represent a <a href="#">ParentToChild</a> and <a href="#">ChildToParent</a> relation using the type of reference identified by the <a href="#">referenceTypeId</a> specified.
To(OpcNodeId, OpcReferenceType)	Provides a set of node / reference bundles in a new instance of the <a href="#">OpcNodeReferenceSet</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNodeId</a> as the identifier of the target of the reference. The references created represent a <a href="#">ParentToChild</a> and <a href="#">ChildToParent</a> relation using the <a href="#">referenceType</a> as the type of reference.
To(OpcReference)	Provides a node / references bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">references</a> specified.
ToChild(IOpcNode)	Provides a node / reference bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNode</a> as the target of the reference. The reference created represents a <a href="#">ParentToChild</a> relation using <a href="#">Organizes</a> as the type of reference.
ToChild(IOpcNode, OpcNodeId)	Provides a node / reference bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNode</a> as the target of the reference. The reference created represents a <a href="#">ParentToChild</a> relation using the type of reference identified by the <a href="#">referenceTypeId</a> specified.
ToChild(IOpcNode, OpcReferenceType)	Provides a node / reference bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNode</a> as the target of the reference. The reference created represents a <a href="#">ParentToChild</a> relation using the <a href="#">referenceType</a> as the type of reference.
ToChild(OpcNodeId)	Provides a node / reference bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNodeId</a> as the identifier of the target of the reference. The reference created represents a <a href="#">ParentToChild</a> relation using <a href="#">Organizes</a> as the type of reference.
ToChild(OpcNodeId, OpcNodeId)	Provides a node / reference bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNodeId</a> as the identifier of the target of the reference. The reference created represents a <a href="#">ParentToChild</a> relation using the type of reference identified by the <a href="#">referenceTypeId</a> specified.
ToChild(OpcNodeId, OpcReferenceType)	Provides a node / reference bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNodeId</a> as the identifier of the target of the reference. The reference created represents a <a href="#">ParentToChild</a> relation using the <a href="#">referenceType</a> as the type of reference.

Name	Description
ToParent(IOpcNode)	Provides a node / reference bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNode</a> as the target of the reference. The reference created represents a <a href="#">ChildToParent</a> relation using <a href="#">Organizes</a> as the type of reference.
ToParent(IOpcNode, OpcNodeId)	Provides a node / reference bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNode</a> as the target of the reference. The reference created represents a <a href="#">ChildToParent</a> relation using the type of reference identified by the <a href="#">referenceTypeId</a> specified.
ToParent(IOpcNode, OpcReferenceType)	Provides a node / reference bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNode</a> as the target of the reference. The reference created represents a <a href="#">ChildToParent</a> relation using the <a href="#">referenceType</a> as the type of reference.
ToParent(OpcNodeId)	Provides a node / reference bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNodeId</a> as the identifier of the target of the reference. The reference created represents a <a href="#">ChildToParent</a> relation using <a href="#">Organizes</a> as the type of reference.
ToParent(OpcNodeId, OpcNodeId)	Provides a node / reference bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNodeId</a> as the identifier of the target of the reference. The reference created represents a <a href="#">ChildToParent</a> relation using the type of reference identified by the <a href="#">referenceTypeId</a> specified.
ToParent(OpcNodeId, OpcReferenceType)	Provides a node / reference bundle in a new instance of the <a href="#">OpcNodeReference</a> class using the source node information of this <a href="#">OpcNodeReferenceSource</a> and the <a href="#">targetNodeId</a> as the identifier of the target of the reference. The reference created represents a <a href="#">ChildToParent</a> relation using the <a href="#">referenceType</a> as the type of reference.
ToString	Returns a string representing the information contained in the <a href="#">OpcNodeReferenceSource</a> .



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