

# OpcDataTypeDictionaryNodeInfo Class

**Namespace:** Opc.UaFx.Client

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

Provides properties and methods for the examination of the attributes and references of a node which is classified as [Variable](#) and is of the type [DataTypeDictionaryId](#).

**C#**

```
public class OpcDataTypeDictionaryNodeInfo : OpcVariableNodeInfo, IOpcNodeInfo
```

**Inheritance** [Object](#) > [OpcNodeInfo](#) > [OpcInstanceNodeInfo](#) > [OpcVariableNodeInfo](#) >

[OpcDataTypeDictionaryNodeInfo](#)

**Implements** [IOpcNodeInfo](#)

## Properties

Name	Description
<a href="#">AccessLevel</a>	Gets the value of the <a href="#">AccessLevel</a> attribute of the variable node represented. (Inherited from <a href="#">OpcVariableNodeInfo</a> )
<a href="#">ArrayDimensions</a>	Gets the length for each dimension of an array value of the variable node represented. (Inherited from <a href="#">OpcVariableNodeInfo</a> )
<a href="#">ArrayLength</a>	Gets the total number of elements in all the dimensions of the array value of the variable node represented. (Inherited from <a href="#">OpcVariableNodeInfo</a> )
<a href="#">ArrayRank</a>	Gets the rank (number of dimensions) of the array value of the variable node represented. For example, a one-dimensional array returns 1, a two-dimensional array returns 2, and so on. (Inherited from <a href="#">OpcVariableNodeInfo</a> )
<a href="#">Category</a>	Gets the classification of the node using one of the predefined categories. (Inherited from <a href="#">OpcNodeInfo</a> )
<a href="#">Context</a>	Gets the browse setup and context to use to inspect the node, its attributes and its relationships to other nodes. (Inherited from <a href="#">OpcNodeInfo</a> )
<a href="#">DataType</a>	Gets the <a href="#">OpcTypeInfoNodeInfo</a> about the data type node of the variable node represented. (Inherited from <a href="#">OpcVariableNodeInfo</a> )
<a href="#">DataTypeId</a>	Gets the <a href="#">OpcNodeId</a> about the data type node of the variable node represented. (Inherited from <a href="#">OpcVariableNodeInfo</a> )
<a href="#">DisplayName</a>	Gets the value of the <a href="#">DisplayNameOpcAttribute</a> which defines the localizable name of the node. (Inherited from <a href="#">OpcNodeInfo</a> )
<a href="#">IsArray</a>	Gets a value indicating whether the value of the variable represented is an array. (Inherited from <a href="#">OpcVariableNodeInfo</a> )
<a href="#">IsHistorizing</a>	Gets a value indicating whether the server is actively collecting data for the history of the variable node represented. (Inherited from <a href="#">OpcVariableNodeInfo</a> )
<a href="#">Name</a>	Gets the nominal information of the node represented. (Inherited from <a href="#">OpcNodeInfo</a> )

Name	Description
NamespaceUri	Gets the value of the NamespaceUri child node of the data type dictionary node represented.
NodeId	Gets the node identifier of the node represented. (Inherited from <a href="#">OpcNodeInfo</a> )
Reference	Gets the description of the node reference through that the node represented and examined has been located. (Inherited from <a href="#">OpcNodeInfo</a> )
TypeDefinition	Gets the <a href="#">OpcTypeNodeInfo</a> about the type definition node of the instance node represented. (Inherited from <a href="#">OpcInstanceNodeInfo</a> )
TypeDefinitionId	Gets the <a href="#">OpcNodeId</a> about the type definition node of the instance node represented. (Inherited from <a href="#">OpcInstanceNodeInfo</a> )
UserAccessLevel	Gets the value of the <a href="#">UserAccessLevel</a> attribute of the variable node represented. (Inherited from <a href="#">OpcVariableNodeInfo</a> )
UserWriteAccess	Gets a mask that indicates which attributes are writable by the current user of the client of a node taking user access rights into account. (Inherited from <a href="#">OpcVariableNodeInfo</a> )
WriteAccess	Gets a mask that indicates which attributes are generally writable through the server not taking user access rights into account. (Inherited from <a href="#">OpcVariableNodeInfo</a> )

## Methods

Name	Description
Attribute( <a href="#">OpcAttribute</a> )	Retrieves the <a href="#">OpcAttributeInfo</a> of the node that has the specified <a href="#">OpcAttribute</a> identifier. (Inherited from <a href="#">OpcNodeInfo</a> )
Attribute(String)	Retrieves the <a href="#">OpcAttributeInfo</a> of the node that is known using the specified <a href="#">browseName</a> . (Inherited from <a href="#">OpcNodeInfo</a> )
Attributes	Retrieves for each <a href="#">OpcAttribute</a> identifier the according <a href="#">OpcAttributeInfo</a> of the node. (Inherited from <a href="#">OpcNodeInfo</a> )
Attributes(IEnumerable)	Retrieves for each <a href="#">OpcAttribute</a> identifier specified by <a href="#">attributes</a> the according <a href="#">OpcAttributeInfo</a> of the node. (Inherited from <a href="#">OpcNodeInfo</a> )
Attributes(IEnumerable)	Retrieves the <a href="#">OpcAttributeInfo</a> of the node that is known using the specified <a href="#">browseNames</a> . (Inherited from <a href="#">OpcNodeInfo</a> )
Attributes( <a href="#">OpcAttribute</a> )	Retrieves for each <a href="#">OpcAttribute</a> identifier specified by <a href="#">attributes</a> the according <a href="#">OpcAttributeInfo</a> of the node. (Inherited from <a href="#">OpcNodeInfo</a> )
Attributes(String)	Retrieves the <a href="#">OpcAttributeInfo</a> of the node that is known using the specified <a href="#">browseNames</a> . (Inherited from <a href="#">OpcNodeInfo</a> )
AttributeValue( <a href="#">OpcAttribute</a> )	Retrieves the value of the <a href="#">attribute</a> specified. (Inherited from <a href="#">OpcNodeInfo</a> )
AttributeValue`1( <a href="#">OpcAttribute</a> )	Retrieves the value of the <a href="#">attribute</a> specified. (Inherited from <a href="#">OpcNodeInfo</a> )
Child(String)	Retrieves the <a href="#">OpcNodeInfo</a> of the child node that is known using the specified <a href="#">name</a> of the node. (Inherited from <a href="#">OpcNodeInfo</a> )

Name	Description
Children	Retrieves for each child node of the node represented the according <a href="#">OpcNodeInfo</a> . (Inherited from <a href="#">OpcNodeInfo</a> )
Children( <a href="#">OpcNodeCategory</a> )	Retrieves for each child node of the <a href="#">category</a> specified of the node represented the according <a href="#">OpcNodeInfo</a> . (Inherited from <a href="#">OpcNodeInfo</a> )
Children( <a href="#">OpcReferenceType</a> )	Retrieves for each child node referenced using the <a href="#">referenceType</a> specified the according <a href="#">OpcNodeInfo</a> . (Inherited from <a href="#">OpcNodeInfo</a> )
GetArrayLength( <a href="#">Int32</a> )	Gets a 32-bit integer that represents the number of elements in the specified dimension of the array value of the variable node. (Inherited from <a href="#">OpcVariableNodeInfo</a> )
GetArrayLowerBound( <a href="#">Int32</a> )	Gets the index of the first element of the specified dimension in the array value of the variable node. (Inherited from <a href="#">OpcVariableNodeInfo</a> )
GetArrayUpperBound( <a href="#">Int32</a> )	Gets the index of the last element of the specified dimension in the array value of the variable node. (Inherited from <a href="#">OpcVariableNodeInfo</a> )
GetDescriptions	Retrieves all nodes which are referenced using the <a href="#">HasComponent</a> reference for which the according <a href="#">OpcNodeInfo</a> is represented by the <a href="#">OpcDataTypeDescriptionNodeInfo</a> class.
Parent( <a href="#">String</a> )	Retrieves the <a href="#">OpcNodeInfo</a> of the parent node that is known using the specified <a href="#">name</a> of the node. (Inherited from <a href="#">OpcNodeInfo</a> )
Parents	Retrieves for each parent node of the node represented the according <a href="#">OpcNodeInfo</a> . (Inherited from <a href="#">OpcNodeInfo</a> )
Parents( <a href="#">OpcNodeCategory</a> )	Retrieves for each parent node of the <a href="#">category</a> specified of the node represented the according <a href="#">OpcNodeInfo</a> . (Inherited from <a href="#">OpcNodeInfo</a> )
Parents( <a href="#">OpcReferenceType</a> )	Retrieves for each parent node referenced using the <a href="#">referenceType</a> specified the according <a href="#">OpcNodeInfo</a> . (Inherited from <a href="#">OpcNodeInfo</a> )



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