OpcDataTypeDescriptionNodeInfo 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 DataTypeDescriptionId.

C#

```
public class OpcDataTypeDescriptionNodeInfo : OpcVariableNodeInfo, IOpcNodeInfo
```

Inheritance Object › OpcNodeInfo › OpcInstanceNodeInfo › OpcVariableNodeInfo › OpcDataTypeDescriptionNodeInfo

Implements IOpcNodeInfo

Properties

Name	Description
AccessLevel	Gets the value of the AccessLevel attribute of the variable node represented. (Inherited from OpcVariableNodeInfo)
ArrayDimensions	Gets the length for each dimension of an array value of the variable node represented. (Inherited from OpcVariableNodeInfo)
ArrayLength	Gets the total number of elements in all the dimensions of the array value of the variable node represented. (Inherited from OpcVariableNodeInfo)
ArrayRank	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 OpcVariableNodeInfo)
Category	Gets the classification of the node using one of the predefined categories. (Inherited from OpcNodeInfo)
Context	Gets the browse setup and context to use to inspect the node, its attributes and its relationships to other nodes. (Inherited from OpcNodeInfo)
DataType	Gets the OpcTypeNodeInfo about the data type node of the variable node represented. (Inherited from OpcVariableNodeInfo)
DataTypeId	Gets the OpcNodeId about the data type node of the variable node represented. (Inherited from OpcVariableNodeInfo)
DisplayName	Gets the value of the DisplayNameOpcAttribute which defines the localizable name of the node. (Inherited from OpcNodeInfo)
IsArray	Gets a value indicating whether the value of the variable represented is an array. (Inherited from OpcVariableNodeInfo)
IsHistorizing	Gets a value indicating whether the server is actively collecting data for the history of the variable node represented. (Inherited from OpcVariableNodeInfo)

Name	Description
Name	Gets the nominal information of the node represented. (Inherited from OpcNodeInfo)
NodeId	Gets the node identifier of the node represented. (Inherited from OpcNodeInfo)
Reference	Gets the description of the node reference through that the node represented and examined has been located. (Inherited from OpcNodeInfo)
TypeDefinition	Gets the OpcTypeNodeInfo about the type definition node of the instance node represented. (Inherited from OpcInstanceNodeInfo)
TypeDefinitionId	Gets the OpcNodeId about the type definition node of the instance node represented. (Inherited from OpcInstanceNodeInfo)
UserAccessLevel	Gets the value of the UserAccessLevel attribute of the variable node represented. (Inherited from OpcVariableNodeInfo)
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 OpcVariableNodeInfo)
Value	Gets the value of the data type description node represented.
WriteAccess	Gets a mask that indicates which attributes are generally writable through the server not taking user access rights into account. (Inherited from OpcVariableNodeInfo)

Methods

Name	Description
Attribute(OpcAttribute)	Retrieves the OpcAttributeInfo of the node that has the specified OpcAttribute identifier. (Inherited from OpcNodeInfo)
Attribute(String)	Retrieves the OpcAttributeInfo of the node that is known using the specified `browseName`. (Inherited from OpcNodeInfo)
Attributes	Retrieves for each OpcAttribute identifier the according OpcAttributeInfo of the node. (Inherited from OpcNodeInfo)
Attributes(IEnumerable)	Retrieves for each OpcAttribute identifier specified by `attributes` the according OpcAttributeInfo of the node. (Inherited from OpcNodeInfo)
Attributes(IEnumerable)	Retrieves the OpcAttributeInfo of the node that is known using the specified `browseNames`. (Inherited from OpcNodeInfo)
Attributes(OpcAttribute)	Retrieves for each OpcAttribute identifier specified by `attributes` the according OpcAttributeInfo of the node. (Inherited from OpcNodeInfo)
Attributes(String)	Retrieves the OpcAttributeInfo of the node that is known using the specified `browseNames`. (Inherited from OpcNodeInfo)
AttributeValue(OpcAttribute)	Retrieves the value of the `attribute` specified. (Inherited from OpcNodeInfo)
AttributeValue``1(OpcAttribute)	Retrieves the value of the `attribute` specified. (Inherited from OpcNodeInfo)

Name	Description
Child(String)	Retrieves the OpcNodeInfo of the child node that is known using the specified `name` of the node. (Inherited from OpcNodeInfo)
Children	Retrieves for each child node of the node represented the according OpcNodeInfo. (Inherited from OpcNodeInfo)
Children(OpcNodeCategory)	Retrieves for each child node of the `category` specified of the node represented the according OpcNodeInfo. (Inherited from OpcNodeInfo)
Children(OpcReferenceType)	Retrieves for each child node referenced using the `referenceType` specified the according OpcNodeInfo. (Inherited from OpcNodeInfo)
GetArrayLength(Int32)	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 OpcVariableNodeInfo)
GetArrayLowerBound(Int32)	Gets the index of the first element of the specified dimension in the array value of the variable node. (Inherited from OpcVariableNodeInfo)
GetArrayUpperBound(Int32)	Gets the index of the last element of the specified dimension in the array value of the variable node. (Inherited from OpcVariableNodeInfo)
Parent(String)	Retrieves the OpcNodeInfo of the parent node that is known using the specified `name` of the node. (Inherited from OpcNodeInfo)
Parents	Retrieves for each parent node of the node represented the according OpcNodeInfo. (Inherited from OpcNodeInfo)
Parents(OpcNodeCategory)	Retrieves for each parent node of the `category` specified of the node represented the according OpcNodeInfo. (Inherited from OpcNodeInfo)
Parents(OpcReferenceType)	Retrieves for each parent node referenced using the `referenceType` specified the according OpcNodeInfo. (Inherited from OpcNodeInfo)

Table of Contents

Properties 1
Methods 2