

OpcVariableTypeInfo Class

Namespace: Opc.UaFx

Assemblies: Opc.UaFx.Advanced.dll

Represents type declarations used for variable node types.

C#

```
public abstract class OpcVariableTypeInfo : OpcNodeTypeInfo, IOpcType, IOpcNodeInfo
```

Inheritance [Object](#) > [OpcNodeTypeInfo](#) > OpcVariableTypeInfo

Implements [IOpcType](#), [IOpcNodeInfo](#)

Properties

Name	Description
ArrayDimensions	Gets the length for each dimension of an array value of the variable type represented.
ArrayLength	Gets the total number of elements in all the dimensions of the array value of the variable type represented.
ArrayRank	Gets the rank (number of dimensions) of the array value of the variable type represented. For example, a one-dimensional array returns 1, a two-dimensional array returns 2, and so on.
BaseType	Gets the type from which the current OpcNodeTypeInfo directly inherits. (Inherited from OpcNodeTypeInfo)
Category	Gets the NodeCategoryOpcAttribute which identifies the kind of node and is therefore used to classify the node regarding its use and purpose.
Category	Gets the NodeCategoryOpcAttribute which identifies the kind of node and is therefore used to classify the node regarding its use and purpose. (Inherited from OpcNodeTypeInfo)
DataType	
DataTypeId	
Documentation	Gets any semantic information that would help a human to understand what the type represents. (Inherited from OpcNodeTypeInfo)
Empty	Gets the type to use if there is no specific type data available. (Inherited from OpcNodeTypeInfo)
IsAbstract	(Inherited from OpcNodeTypeInfo)
IsArray	Gets a value indicating whether the value of the variable represented is an array.
IsEmpty	Gets a value indicating whether the current OpcNodeTypeInfo represents a type to use if there is no specific type described. (Inherited from OpcNodeTypeInfo)
IsUnknown	Gets a value indicating whether the OpcNodeTypeInfo acts as a placeholder for a referenced type its type declaration could not resolved. (Inherited from OpcNodeTypeInfo)
Name	Gets a value which defines the human-readable name of the type represented. A node which represents this OpcNodeTypeInfo uses the Name as its BrowseName . (Inherited from OpcNodeTypeInfo)
SymbolicName	(Inherited from OpcNodeTypeInfo)

Name	Description
TypeId	Gets a value which identifies the type represented. A node which represents this OpcNodeTypeInfo uses the TypeId as its NodeId . (Inherited from OpcNodeTypeInfo)
TypeSystem	Gets the the OpcNodeTypeSystem which contains the node type declaration represented. (Inherited from OpcNodeTypeInfo)
UnderlyingType	Gets the type which provides the implementation of the OpcNodeTypeInfo . (Inherited from OpcNodeTypeInfo)
UserWriteAccess	(Inherited from OpcNodeTypeInfo)
ValueRank	
WriteAccess	(Inherited from OpcNodeTypeInfo)

Methods

Name	Description
AttributeValue (OpcAttribute)	Retrieves the value of the attribute specified.
AttributeValue (OpcAttribute)	Retrieves the value of the attribute specified. (Inherited from OpcNodeTypeInfo)
AttributeValue`1 (OpcAttribute)	Retrieves the value of the attribute specified. (Inherited from OpcNodeTypeInfo)
Child (OpcName)	(Inherited from OpcNodeTypeInfo)
Children	(Inherited from OpcNodeTypeInfo)
Description (String)	(Inherited from OpcNodeTypeInfo)
Descriptions	(Inherited from OpcNodeTypeInfo)
DisplayName (String)	(Inherited from OpcNodeTypeInfo)
DisplayNames	(Inherited from OpcNodeTypeInfo)
GetArrayLength (Int32)	Gets a 32-bit integer that represents the number of elements in the specified dimension of the array value of the variable type.
GetArrayLowerBound (Int32)	Gets the index of the first element of the specified dimension in the array value of the variable type.
GetArrayUpperBound (Int32)	Gets the index of the last element of the specified dimension in the array value of the variable type.
GetUnderlyingType	Retrieves the Type which provides the implementation of the OpcNodeTypeInfo . (Inherited from OpcNodeTypeInfo)
References	(Inherited from OpcNodeTypeInfo)
ToString	Returns a String representing the Name or the UnderlyingType of the current OpcNodeTypeInfo . (Inherited from OpcNodeTypeInfo)

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