

OpcDataTypeAttribute Class

Namespace: Opc.UaFx

Assemblies: Opc.UaFx.Advanced.dll

Defines the identifier of a custom data type which is represented by the [Type](#) on that this attribute is applied.

C#

```
[AttributeUsage(AttributeTargets.Class | AttributeTargets.Struct | AttributeTargets.Enum,
AllowMultiple = false, Inherited = false)]
public class OpcDataTypeAttribute : Attribute, _Attribute
```

Inheritance [Object](#) > [Attribute](#) > OpcDataTypeAttribute

Attributes [AttributeUsageAttribute](#)

Implements [InteropServices._Attribute](#)

Constructors

Name	Description
OpcDataTypeAttribute(Byte)	Initializes a new instance of the OpcDataTypeAttribute class using the id to use to identify the according data type node.
OpcDataTypeAttribute(Byte, Int32)	Initializes a new instance of the OpcDataTypeAttribute class using the id and namespaceIndex to use to identify the according data type node.
OpcDataTypeAttribute(Byte, String)	Initializes a new instance of the OpcDataTypeAttribute class using the id and namespaceUri specified to use to identify the according data type node.
OpcDataTypeAttribute(Int32)	Initializes a new instance of the OpcDataTypeAttribute class using the id to use to identify the according data type node.
OpcDataTypeAttribute(Int32, Int32)	Initializes a new instance of the OpcDataTypeAttribute class using the id and namespaceIndex to use to identify the according data type node.
OpcDataTypeAttribute(Int32, String)	Initializes a new instance of the OpcDataTypeAttribute class using the id and namespaceUri specified to use to identify the according data type node.
OpcDataTypeAttribute(String)	Initializes a new instance of the OpcDataTypeAttribute class using the id to use to identify the according data type node.
OpcDataTypeAttribute(String, Int32)	Initializes a new instance of the OpcDataTypeAttribute class using the id and namespaceIndex to use to identify the according data type node.
OpcDataTypeAttribute(String, String)	Initializes a new instance of the OpcDataTypeAttribute class using the id and namespaceUri specified to use to identify the according data type node.
OpcDataTypeAttribute(UInt32)	Initializes a new instance of the OpcDataTypeAttribute class using the id to use to identify the according data type node.

Name	Description
<code>OpcDataTypeAttribute(UInt32, Int32)</code>	Initializes a new instance of the <code>OpcDataTypeAttribute</code> class using the <code>id</code> and <code>namespaceIndex</code> to use to identify the according data type node.
<code>OpcDataTypeAttribute(UInt32, String)</code>	Initializes a new instance of the <code>OpcDataTypeAttribute</code> class using the <code>id</code> and <code>namespaceUri</code> specified to use to identify the according data type node.

Properties

Name	Description
<code>Description</code>	Gets or sets a human readable text that describes the data type.
<code>Id</code>	Gets the node identifier used to define the data type node of the <code>Type</code> to that the attribute has been applied.
<code>NamespaceUri</code>	Gets or sets the URI (Uniform Resource Identifier) or string literal used to identify the namespace of the <code>Type</code> , to that the attribute has been applied, belongs to.
<code>UseDataTypeDescription</code>	Gets or sets a value indicating whether the data type is to be described in a custom data type dictionary.

Methods

Name	Description
<code>GetNamespace</code>	Retrieves the <code>OpcNamespace</code> referenced to by the <code>OpcDataTypeAttribute</code> .

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