

OpcDataTypeDictionaryNode Members

Namespace: Opc.UaFx

Assemblies: Opc.UaFx.Advanced.dll, Opc.UaFx.Advanced.dll

The [OpcDataTypeDictionaryNode](#) type exposes the following members.

Constructors

OpcDataTypeDictionaryNode(IOpcNode, OpcName)

Initializes a new instance of the [OpcDataTypeDictionaryNode](#) class accessible by the **name** specified as a child node of the **parent** node given.

C#

```
public OpcDataTypeDictionaryNode(IOpcNode parent, OpcName name)
```

Parameters

parent [IOpcNode](#)

The [IOpcNode](#) used as the parent node or a null reference (Nothing in Visual Basic) in the case there is no parent node available.

name [OpcName](#)

The [OpcName](#) through that the new data type dictionary node can be accessed.

OpcDataTypeDictionaryNode(IOpcNode, OpcName, OpcDataTypeDictionary)

Initializes a new instance of the [OpcDataTypeDictionaryNode](#) class accessible by the **name** specified with the initial value defined by **value** as a child node of the **parent** node given.

C#

```
public OpcDataTypeDictionaryNode(IOpcNode parent, OpcName name, OpcDataTypeDictionary value)
```

Parameters

parent [IOpcNode](#)

The [IOpcNode](#) used as the parent node or a null reference (Nothing in Visual Basic) in the case there is no parent node available.

name [OpcName](#)

The [OpcName](#) through that the new data type dictionary node can be accessed.

value [OpcDataDictionary](#)

The initial value of the new data type dictionary node.

OpcDataDictionaryNode(IOpcNode, OpcName, OpcNodeId)

Initializes a new instance of the [OpcDataDictionaryNode](#) class accessible by the **name** and **id** specified as a child node of the **parent** node given.

C#

```
public OpcDataDictionaryNode(IOpcNode parent, OpcName name, OpcNodeId id)
```

Parameters

parent [IOpcNode](#)

The [IOpcNode](#) used as the parent node or a null reference (Nothing in Visual Basic) in the case there is no parent node available.

name [OpcName](#)

The [OpcName](#) through that the new data type dictionary node can be accessed.

id [OpcNodeId](#)

The [OpcNodeId](#) through that the new data type dictionary node can be identified and accessed.

OpcDataDictionaryNode(IOpcNode, OpcName, OpcNodeId, OpcDataDictionary)

Initializes a new instance of the [OpcDataDictionaryNode](#) class accessible by the **name** and **id** specified with the initial value defined by **value** as a child node of the **parent** node given.

C#

```
public OpcDataDictionaryNode(IOpcNode parent, OpcName name, OpcNodeId id, OpcDataDictionary value)
```

Parameters

parent [IOpcNode](#)

The [IOpcNode](#) used as the parent node or a null reference (Nothing in Visual Basic) in the case there is no parent node available.

name [OpcName](#)

The [OpcName](#) through that the new data type dictionary node can be accessed.

id [OpcNodeId](#)

The [OpcNodeId](#) through that the new data type dictionary node can be identified and accessed.

value [OpcDataTypeDictionary](#)

The initial value of the new data type dictionary node.

OpcDataTypeDictionaryNode(OpcDataTypeDictionary)

Initializes a new instance of the [OpcDataTypeDictionaryNode](#) class using the [OpcDataTypeDictionary](#) specified by **value**.

C#

```
public OpcDataTypeDictionaryNode(OpcDataTypeDictionary value)
```

Parameters

value [OpcDataTypeDictionary](#)

The [OpcDataTypeDictionary](#) to represent using the new data type dictionary node.

OpcDataTypeDictionaryNode(OpcName)

Initializes a new instance of the [OpcDataTypeDictionaryNode](#) class accessible by the **name** specified.

C#

```
public OpcDataTypeDictionaryNode(OpcName name)
```

Parameters

name [OpcName](#)

The [OpcName](#) through that the new data type dictionary node can be accessed.

OpcDataTypeDictionaryNode(OpcName, OpcDataTypeDictionary)

Initializes a new instance of the [OpcDataTypeDictionaryNode](#) class accessible by the **name** specified with the initial value given by **value**.

C#

```
public OpcDataTypeDictionaryNode(OpcName name, OpcDataTypeDictionary value)
```

Parameters

name [OpcName](#)

The [OpcName](#) through that the new data type dictionary node can be accessed.

value [OpcDataTypeDictionary](#)

The initial value of the new data type dictionary node.

OpcDataTypeDictionaryNode(OpcName, OpcNodeId)

Initializes a new instance of the [OpcDataTypeDictionaryNode](#) class accessible by the **name** and **id** specified.

C#

```
public OpcDataTypeDictionaryNode(OpcName name, OpcNodeId id)
```

Parameters

name [OpcName](#)

The [OpcName](#) through that the new data type dictionary node can be accessed.

id [OpcNodeId](#)

The [OpcNodeId](#) through that the new data type dictionary node can be identified and accessed.

OpcDataTypeDictionaryNode(OpcName, OpcNodeId, OpcDataTypeDictionary)

Initializes a new instance of the [OpcDataTypeDictionaryNode](#) class accessible by the **name** and **id** specified with the initial value given by **value**.

C#

```
public OpcDataTypeDictionaryNode(OpcName name, OpcNodeId id, OpcDataTypeDictionary value)
```

Parameters

name [OpcName](#)

The [OpcName](#) through that the new data type dictionary node can be accessed.

id [OpcNodeId](#)

The [OpcNodeId](#) through that the new data type dictionary node can be identified and accessed.

value [OpcDataTypeDictionary](#)

The initial value of the new data type dictionary node.

Properties

DefaultTypeDefinitionId

Gets the default identifier which identifies the node that defines the underlying node type from that this [OpcInstanceNode](#) has been created.

C#

```
protected override OpcNodeId DefaultTypeId { get; }
```

Property Value

OpcNodeId

The [OpcNodeId](#) of the type node from that this [OpcInstanceNode](#) has been created from. These type node defines the typical structure of an instance node of its type definition. If there exists no specific type definition node a null reference (Nothing in Visual Basic).

TypeDictionary

Gets the dictionary its data is encoded in the [Value](#) property of the current [OpcDataTypeDictionaryNode](#).

C#

```
public OpcDataTypeDictionary TypeDictionary { get; set; }
```

Property Value

OpcDataTypeDictionary

An instance of the [OpcDataTypeDictionary](#) class its data is encoded in the [Value](#) property of the current [OpcDataTypeDictionaryNode](#).

Methods

InitializeDefaults()

Initializes the default values used by the [OpcDataVariableNode](#).

C#

```
protected override void InitializeDefaults()
```

Remarks

This method is used to ensure the availability of appropriate node specific default values. For more information like when this method is to be overwritten see [InitializeDefaults](#).

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