

IOpcDataFieldInfo Members

Namespace: Opc.UaFx

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

The [IOpcDataFieldInfo](#) interface defines the following members.

Properties

DeclaringType

Gets the type that declares the current [IOpcDataFieldInfo](#).

C#

```
IOpcDataTypeInfo DeclaringType { get; }
```

Property Value

[IOpcDataTypeInfo](#)

The [IOpcDataTypeInfo](#) which declares the current [IOpcDataFieldInfo](#).

FieldType

Gets the type of value this field provides.

C#

```
IOpcDataTypeInfo FieldType { get; }
```

Property Value

[IOpcDataTypeInfo](#)

The [IOpcDataTypeInfo](#) representing the type of value this field provides.

IsOptional

Gets a value indicating whether the current field might not necessarily exist in the object defined by the [DeclaringType](#).

C#

```
bool IsOptional { get; }
```

Property Value

[Boolean](#)

The value true if the field might not always exists; otherwise the value false. Additionally see the [Switch](#) property.

Length

Gets the length of the field expressed either explicit or implicit using a different [IOpcDataFieldInfo](#).

C#

```
OpcMemberLength Length { get; }
```

Property Value

[OpcMemberLength](#)

An instance of the [OpcMemberLength](#) class with the explicit length of the field or the reference to the [IOpcDataFieldInfo](#) its value expresses the length of the current [IOpcDataFieldInfo](#).

Name

Gets the name of the current [IOpcDataFieldInfo](#).

C#

```
string Name { get; }
```

Property Value

[String](#)

A [String](#) containing the name of this field.

ReflectedType

Gets the type that was used to obtain this instance of [IOpcDataFieldInfo](#).

C#

```
IOpcDataTypeInfo ReflectedType { get; }
```

Property Value

[IOpcDataTypeInfo](#)

An [IOpcDataTypeInfo](#) object used to obtain this instance.

Switch

Gets the switch condition which applies to the current [IOpcDataFieldInfo](#).

C#

```
OpcMemberSwitch Switch { get; }
```

Property Value

OpcMemberSwitch

An instance of the [OpcMemberSwitch](#) class which defines the conditions to fulfill so that the current [IOpcDataFieldInfo](#) exists in an instance.

Methods

GetValue(Object)

Gets the value of the field supported by the given object [instance](#).

C#

```
object GetValue(object instance)
```

Parameters

[instance](#) [Object](#)

The [Object](#) whose field value will be returned.

Returns

[Object](#)

An object containing the value of the field reflected by this instance.

SetValue(Object, Object)

Sets the value of the field supported by the given object [instance](#).

C#

```
void SetValue(object instance, object value)
```

Parameters

[instance](#) [Object](#)

The [Object](#) whose field value will be set.

[value](#) [Object](#)

The value to assign to the field.

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