

OpcDataField Members

Namespace: Opc.UaFx

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

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

Properties

Exists

Gets a value indicating whether the [Value](#) of the field is part of the data object this field belongs to.

C#

```
public bool Exists { get; }
```

Property Value

[Boolean](#)

The value true if the [Value](#) of this field is part of the data object this field belongs to; otherwise the value false.

HasValue

Gets a value indicating whether the [Value](#) property has been set.

C#

```
public bool HasValue { get; }
```

Property Value

[Boolean](#)

The value true if the [Value](#) property has been seen; otherwise the value false.

IsOptional

Gets a value indicating whether the current field might not necessarily exist in the data object this field belongs to.

C#

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

Property Value

Boolean

The value true if the field might not always exists; otherwise the value false.

Length

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

C#

```
public long Length { get; }
```

Property Value

Int64

The total number of elements in the [Value](#) of the field or -1 if this field neither uses an explicit nor implicit length.

LengthField

Gets the field which explicitly controls the [Length](#) of the [Value](#) of this field.

C#

```
public OpcDataField LengthField { get; }
```

Property Value

OpcDataField

An instance of the [OpcDataField](#) in the data object (this field belongs to) which controls the length of the [Value](#) of the current field.

Name

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

C#

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

Property Value

String

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

SwitchField

Gets the field which explicitly controls the existence of the [Value](#) of this field in the data object this field belongs to.

C#

```
public OpcDataField SwitchField { get; }
```

Property Value

[OpcDataField](#)

An instance of the [OpcDataField](#) in the data object (this field belongs to) which controls the existence of the [Value](#) of the current field.

Value

Gets or sets the value associated with the current field.

C#

```
public object Value { get; set; }
```

Property Value

[Object](#)

The value associated with the current field or a null reference (Nothing in Visual Basic) if there is no value associated with the current field in the data object the field belongs to.

ValueType

Gets the [Type](#) of [Value](#) the current field supports.

C#

```
public Type ValueType { get; }
```

Property Value

[Type](#)

The [Type](#) of [Value](#) supported.

Methods

ToString()

Returns a [String](#) representing the [Name](#), [ValueType](#) and [Value](#) of the current [OpcDataField](#).

C#

```
public override string ToString()
```

Returns

[String](#)

A [String](#) representing the [Name](#), the [ValueType](#) and [Value](#) of the current [OpcDataField](#).

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