OpcDataObject Members

Namespace: Opc.UaFx
Assemblies: Opc.UaFx.Advanced.dll, Opc.UaFx.Advanced.dll
The OpcDataObject type exposes the following members.

Constructors

OpcDataObject(OpcDataTypeInfo)

Initializes a new instance of the OpcDataObject class using the type information of the `dataType` specified.

C#

```
public OpcDataObject(OpcDataTypeInfo dataType)
```

Parameters

`dataType` OpcDataTypeInfo

The OpcDataTypeInfo of the structured data type to represent.

Exceptions

ArgumentException

The `dataType` is not a structured data type (see IsStruct).

ArgumentNullException

The `dataType` is a null reference (Nothing in Visual Basic).

Properties

Item[String]

Gets the field associated with the specified `name`.

C#

```
public OpcDataField this[string name] { get; }
```

Property Value

OpcDataField

An instance of the OpcDataField representing the field with the specified name, if existent; otherwise a null reference (Nothing in Visual Basic).

Methods

GetField(String)

Searches for the field with the specified `name`.

C#

```
public OpcDataField GetField(string name)
```

Parameters

`name` String

The String containing the name of the data field to get.

Returns

OpcDataField

An instance of the OpcDataField representing the field with the specified name, if found; otherwise a null reference (Nothing in Visual Basic).

Remarks

The `name` specified is compared using Ordinal.

GetFields()

Returns all the fields of the current OpcDataObject.

C#

```
public OpcDataField[] GetFields()
```

Returns

OpcDataField[]

An array of OpcDataField objects representing all the fields defined for the current OpcDataObject or an empty array of type OpcDataField if no fields are defined for the current OpcDataObject.

GetTypeInfo()

Gets the OpcDataTypeInfo of the current structured data type instance represented.

C#

```
public OpcDataTypeInfo GetTypeInfo()
```

Returns

OpcDataTypeInfo

The OpcDataTypeInfo of the current structured data type instance.

HasField(String)

Determines whether the current OpcDataObject provides a OpcDataField with the Name equals to the `name` specified.

C#

```
public bool HasField(string name)
```

Parameters

`name` String

The String containing the name of the data field to test.

Returns

Boolean

The value true if there exists a OpcDataField with the `name` specified; otherwise the value false.

Remarks

The `name` specified is compared using Ordinal.

TryGetField(String, out OpcDataField)

Searches for the field associated with the `name` specified.

C#

```
public bool TryGetField(string name, out OpcDataField field)
```

Parameters

`name` String

The String containing the name of the data field to get.

`field` OpcDataField

The OpcDataField representing the field with the specified name, if found; otherwise a null reference (Nothing in Visual Basic).

Returns

Boolean

The value true if there exists a OpcDataField with the `name` specified (and `field` is set to that field); otherwise the value false.

Remarks

The `name` specified is compared using Ordinal.

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