

IOpcTypeProvider Members

Namespace: Opc.UaFx

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

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

Methods

GetType(OpcName)

Retrieves the [IOpcType](#) object which is known under the **name** specified.

C#

```
IOpcType GetType(OpcName name)
```

Parameters

name [OpcName](#)

The [OpcName](#) of the [IOpcType](#) object to retrieve.

Returns

[IOpcType](#)

The [IOpcType](#) object its **Name** is equals to the **name** specified; otherwise a null reference (Nothing in Visual Basic).

Exceptions

[ArgumentNullException](#)

The **name** is a null reference (Nothing in Visual Basic).

GetType(OpcNodeId)

Retrieves the [IOpcType](#) object which declares the type which is identified by the **typeId** specified.

C#

```
IOpcType GetType(OpcNodeId typeId)
```

Parameters

typeId [OpcNodeId](#)

The [OpcNodeId](#) which identifies the [IOpcType](#) to retrieve.

Returns

IOpcType

The [IOpcType](#) object which is known under the [typeId](#) specified or a null reference (Nothing in Visual Basic) if there doesn't exist a known [IOpcType](#) object which is associated with the [typeId](#) specified.

Exceptions

ArgumentNullException

The [typeId](#) is a null reference (Nothing in Visual Basic).

GetType(String)

Retrieves the [IOpcType](#) object which is known under the [name](#) specified.

C#

```
IOpcType GetType(string name)
```

Parameters

[name](#) [String](#)

The [String](#) to use to identify the [IOpcType](#) object to retrieve.

Returns

IOpcType

The [IOpcType](#) object its [Name](#) is equals (regarding its [Value](#)) to the [name](#) specified; otherwise a null reference (Nothing in Visual Basic).

Exceptions

ArgumentException

The [name](#) is equals [Empty](#).

ArgumentNullException

The [name](#) is a null reference (Nothing in Visual Basic).

GetType(Type)

Retrieves the [IOpcType](#) object which declares the type implemented by the [underlyingType](#) specified.

C#

```
IOPcType GetType(Type underlyingType)
```

Parameters

underlyingType Type

The **Type** which implements the **OpcDataTypeInfo** to retrieve.

Returns

IOPcType

The **IOPcType** object which declares the **underlyingType** specified or a null reference (Nothing in Visual Basic) if there isn't a **IOPcType** object associated with the **underlyingType** specified.

Exceptions

ArgumentNullException

The **underlyingType** is a null reference (Nothing in Visual Basic).

GetTypes()

Retrieves all **IOPcType** objects offered by the **IOPcTypeProvider**.

C#

```
IOPcType[] GetTypes()
```

Returns

IOPcType[]

An array that contains all **IOPcType** objects that are offered by the **IOPcTypeProvider**.

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