

IOpcDataTypeInfo Interface

Namespace: Opc.UaFx

Assemblies: Opc.UaFx.Advanced.dll

Defines type declaration information used for data types.

C#

```
public interface IOpcDataTypeInfo
```

Properties

Name	Description
BaseType	Gets the type from which the current IOpcDataTypeInfo directly inherits.
Encoding	Gets the information used to identify the type of encoding used for the data of the type represented.
EncodingMask	Gets the characteristics used to encode the existence of optional fields.
Encodings	Gets information of all encodings supported by the type represented.
IsArray	Gets a value indicating whether the type is an array.
IsEnum	Gets a value indicating whether the current IOpcDataTypeInfo represents an enumeration.
IsOpaque	Gets a value indicating whether the current IOpcDataTypeInfo describes a primitive fixed size type.
IsPrimitive	Gets a value indicating whether the IOpcDataTypeInfo is one of the primitive types.
IsStruct	Gets a value indicating whether the IOpcDataTypeInfo is a structured type; that is not a value type.
IsSystemType	Gets a value indicating whether the current IOpcDataTypeInfo represents one of the predefined built-in data types defined by the OPC UA.
Name	Gets a value which defines the non-localizable human-readable name of the type represented. A node which represents this IOpcDataTypeInfo uses the Name as its BrowseName .
Size	Gets the size of the type represented as the number of bytes required.
SizeInBits	Gets the size of the type represented as the number of bits required.
TypeId	Gets a value which identifies the type represented. A node which represents this IOpcDataTypeInfo uses the TypeId as its NodeId .
UnderlyingType	Gets the type which provides the implementation of the IOpcDataTypeInfo .

Methods

Name	Description
GetArrayRank	Gets the number of dimensions in an array.
GetElementType	Returns the IOpcDataTypeInfo of the object encompassed or referred to by the current array.
GetField(String)	Searches for the field with the specified name .
GetFields	Returns all the fields of the current IOpcDataTypeInfo .
MakeArrayType	Returns a IOpcDataTypeInfo object representing a one-dimensional array of the current type, with a lower bound of zero.
MakeArrayType(Int32)	Returns a IOpcDataTypeInfo object representing an array of the current type, with the specified number of dimensions.

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