

OpcTypeEncodingFailedEventArgs Members

Namespace: Opc.UaFx

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

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

Properties

Data

Gets the data which is tried to encode.

C#

```
public object Data { get; }
```

Property Value

[Object](#)

An [Object](#) instance which depends on the encoder used.

Encoding

Gets the type of encoding supported by the encoder used.

C#

```
public OpcEncodingType Encoding { get; }
```

Property Value

[OpcEncodingType](#)

One of the members defined by the [OpcEncodingType](#) enumeration.

Exception

Gets the [Exception](#) created or caught during the encoding process.

C#

```
public Exception Exception { get; }
```

Property Value

Exception

An instance of the [Exception](#) class or a null reference (Nothing in Visual Basic) in case there the conditions under which the encoding failed are in advance determined and reported.

FieldName

Gets the name of the field of an [Instance](#) which is about to get encoded.

C#

```
public string FieldName { get; }
```

Property Value

String

The name of the field to encode or a null reference (Nothing in Visual Basic) if there is no field name known by the encoder for the current encode failure.

FieldType

Gets the type of the field being encoded.

C#

```
public Type FieldType { get; }
```

Property Value

Type

The [Type](#) of the field to encode or a null reference (Nothing in Visual Basic) if there is no [Type](#) known by the encoder for the current encode failure.

Instance

Gets the [Object](#) instance its data is being encoded.

C#

```
public object Instance { get; }
```

Property Value

Object

An [Object](#) instance or a null reference (Nothing in Visual Basic) in case there the encoder is not about to encode an instance.

Message

Gets the description of the encoding failure.

C#

```
public string Message { get; }
```

Property Value

[String](#)

The description of the encoding failure or a null reference (Nothing in Visual Basic) in the case there the encoding failure indicates an exception which was handled using a generic exception handler.

Type

Gets the type information used to encode the data of the [Instance](#).

C#

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

Property Value

[Type](#)

The [Type](#) of the [Instance](#) being encoded or a null reference (Nothing in Visual Basic) if the encoding failure occurred in a context where an instance type is either not used or unknown.

TypeId

Gets the identifier of the type being encoded.

C#

```
public OpcNodeId TypeId { get; }
```

Property Value

[OpcNodeId](#)

An instance of the [OpcNodeId](#) class which identifies the type being encoded or a null reference (Nothing in Visual Basic) if the encoding failed in a context there a type identifier does not apply to the encoding operation performed.

TypeIdAbsolute

Gets the absolute [TypeId](#) (if available).

C#

```
public OpcNodeId TypeIdAbsolute { get; }
```

Property Value

OpcNodeId

The absolute [Typeld](#) in case there the [Typeld](#) has been resolved or a null reference (Nothing in Visual Basic) if the [Typeld](#) hasn't been resolved.

Methods

Dispose()

Releases all resources used by the [OpcTypeEncodingFailedEventArgs](#).

C#

```
public void Dispose()
```

Dispose(Boolean)

Releases the unmanaged resources used by the [OpcTypeEncodingFailedEventArgs](#) and optionally releases the managed resources.

C#

```
protected virtual void Dispose(bool disposing)
```

Parameters

disposing [Boolean](#)

The value true to release both managed and unmanaged resources; otherwise the value false to release only unmanaged resources.

GetData()

Retrieves a copy of the binary data in the [Stream](#) used by the encoder to encode the data.

C#

```
public byte[] GetData()
```

Returns

[Byte\[\]](#)

An array of [Byte](#) values with the data the encoder uses for encoding.

Remarks

In case there [GetStream](#) is used as well and the [Stream](#) instance is modified, the array offered by [GetData](#) is modified as well.

GetStackTrace()

Retrieves an instance which summarizes the stack within the encoder until the failure has been produced. The [OpcEncodingStackTrace](#) returned contains [OpcEncodingStackFrame](#) entries only in case there [IsEnabled](#) is equals true (this influences the overall performance while encoding / decoding).

C#

```
public OpcEncodingStackTrace GetStackTrace()
```

Returns

[OpcEncodingStackTrace](#)

An instance of the [OpcEncodingStackTrace](#) class which summarizes the stack within the encode until the failure has been produced. The instance returned provides an empty stack trace if [IsEnabled](#) is equals false (the default value).

GetStream()

Retrieves a copy of the [Stream](#) used by the encoder to encode the data.

C#

```
public Stream GetStream()
```

Returns

[Stream](#)

An instance of the [Stream](#) which represents a copy of the [Stream](#) used by the encoder to encode the data.

Remarks

The [Stream](#) provided allows reading, writing and seeking; but modifying or disposing the instance will influence the instance provided by subsequent calls to [GetStream](#) of the current [OpcTypeEncodingFailedEventArgs](#).

ToString()

Returns a [String](#) representing the [Message](#) or the [Message](#) of the [Exception](#) of the current [OpcTypeEncodingFailedEventArgs](#).

C#

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

Returns

String

A [String](#) representing the [Message](#) or the [Message](#) of the [Exception](#) of the current [OpcTypeEncodingFailedEventArgs](#).

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