

# OpcEncodingStackFrame Members

**Namespace:** Opc.UaFx

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

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

## Properties

### Data

Gets the data which is about to encode / decode.

**C#**

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

#### Property Value

[Object](#)

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

### Encoding

Gets the type of encoding supported by the encoder / decoder 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 / decoding operation.

**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 was no

Exception encountered during the operation of this [OpcEncodingStackFrame](#).

## FieldName

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

**C#**

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

### Property Value

[String](#)

The name of the field to encode / decode or a null reference (Nothing in Visual Basic) if there is no field name known by the encoder / decoder for the current operation of this [OpcEncodingStackFrame](#).

## FieldType

Gets the type of the field being encoded / decoded.

**C#**

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

### Property Value

[Type](#)

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

## Instance

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

**C#**

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

### Property Value

[Object](#)

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

## Message

Gets the description of the outcome of the current encoding / decoding operation.

**C#**

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

**Property Value**[String](#)

The description of the outcome of the current encoding / decoding operation or a null reference (Nothing in Visual Basic) in the case there the encoding / decoding operation does not offer a description for its outcome.

## MethodName

Gets the name of the encoder / decoder method in which the frame is executing.

**C#**

```
public string MethodName { get; }
```

**Property Value**[String](#)

The name of the method in which the frame is executing.

## Position

Gets the zero-based position of the encoder / decoder within its underlying stream during the operation of the current [OpcEncodingStackFrame](#).

**C#**

```
public long Position { get; }
```

**Property Value**[Int64](#)

The position within the stream of the encoder / decoder.

## TypeId

Gets the identifier of the type being encoded / decoded.

**C#**

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

**Property Value**

## OpcNodeId

An instance of the [OpcNodeId](#) class which identifies the type being encoded / decoded by the operation of the current [OpcEncodingStackFrame](#) or a null reference (Nothing in Visual Basic) if the operation is in a context there a type identifier does not apply to the current operation of the [OpcEncodingStackFrame](#).

## TypeIdAbsolute

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

### C#

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

### Property Value

#### OpcNodeId

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

## Methods

## ToString()

Returns a readable representation of the stack frame.

### C#

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

### Returns

#### String

A [String](#) representing the information of the current [OpcEncodingStackFrame](#) in a readable way.

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