

OpException Members

Namespace: Opc.UaFx

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

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

Constructors

OpException()

Initializes a new instance of the [OpException](#) class with default properties.

C#

```
public OpException()
```

OpException(OpContext)

Initializes a new instance of the [OpException](#) class with default properties and the [context](#) specified.

C#

```
public OpException(OpContext context)
```

Parameters

[context](#) [OpContext](#)

The [OpContext](#) which was in use while the new [OpException](#) was generated.

OpException(OpContext, OpResult)

Initializes a new instance of the [OpException](#) class using the [context](#) and [result](#) information specified.

C#

```
public OpException(OpContext context, OpResult result)
```

Parameters

[context](#) [OpContext](#)

The [OpContext](#) which was in use while the new [OpException](#) was generated.

[result](#) [OpResult](#)

The [OpResult](#) from that the exception information is to be retrieved.

OpException(OpContext, OpStatusCode)

Initializes a new instance of the [OpException](#) class with the specified [context](#) and [code](#).

C#

```
[CLSCompliant(false)]
public OpException(OpContext context, OpStatusCode code)
```

Parameters

[context](#) [OpContext](#)

The [OpContext](#) which was in use while the new [OpException](#) was generated.

[code](#) [OpStatusCode](#)

The [OpStatusCode](#) upon its value the according [Message](#) is used for the new instance of the [OpException](#) class.

OpException(OpContext, OpStatusCode, Exception)

Initializes a new instance of the [OpException](#) class with the specified [context](#), [code](#) and [inner](#) exception.

C#

```
[CLSCompliant(false)]
public OpException(OpContext context, OpStatusCode code, Exception inner)
```

Parameters

[context](#) [OpContext](#)

The [OpContext](#) which was in use while the new [OpException](#) was generated.

[code](#) [OpStatusCode](#)

The [OpStatusCode](#) upon its value the according [Message](#) is used for the new instance of the [OpException](#) class.

[inner](#) [Exception](#)

The exception that is the cause of the current exception. If the inner parameter is not null (Nothing in Visual Basic), the current exception is raised in a catch block that handles the inner exception.

OpException(OpContext, OpStatusCode, String)

Initializes a new instance of the [OpException](#) class with the [context](#), [code](#) and [message](#) specified.

C#

```
[CLSCompliant(false)]
public OpException(OpContext context, OpStatusCode code, string message)
```

Parameters

context [OpcContext](#)

The [OpcContext](#) which was in use while the new [OpcException](#) was generated.

code [OpcStatusCode](#)

The [OpcStatusCode](#) which is described by the **message**.

message [String](#)

The [Message](#).

OpcException(OpcContext, OpcStatusCode, String, Exception)

Initializes a new instance of the [OpcException](#) class with the **context**, **code**, **message** and **inner** specified.

C#

```
[CLSCompliant(false)]
public OpcException(OpcContext context, OpcStatusCode code, string message, Exception inner)
```

Parameters

context [OpcContext](#)

The [OpcContext](#) which was in use while the new [OpcException](#) was generated.

code [OpcStatusCode](#)

The [OpcStatusCode](#) which is described by the **message**.

message [String](#)

The [Message](#).

inner [Exception](#)

The exception that is the cause of the current exception. If the inner parameter is not null (Nothing in Visual Basic), the current exception is raised in a catch block that handles the inner exception.

OpcException(OpcContext, String)

Initializes a new instance of the [OpcException](#) class with the **context** and **message** specified.

C#

```
public OpcException(OpcContext context, string message)
```

Parameters

context [OpcContext](#)

The [OpcContext](#) which was in use while the new [OpcException](#) was generated.

message String

The Message.

OpException(OpcResult)

Initializes a new instance of the [OpException](#) class using the [result](#) information specified.

C#

```
public OpException(OpcResult result)
```

Parameters

[result](#) [OpcResult](#)

The [OpcResult](#) from that the exception information is to be retrieved.

OpException(OpcStatusCode)

Initializes a new instance of the [OpException](#) class with the specified [code](#).

C#

```
[CLSCompliant(false)]  
public OpException(OpcStatusCode code)
```

Parameters

[code](#) [OpcStatusCode](#)

The [OpcStatusCode](#) upon its value the according [Message](#) is used for the new instance of the [OpException](#) class.

OpException(OpcStatusCode, Exception)

Initializes a new instance of the [OpException](#) class with the specified [code](#) and [inner](#) exception.

C#

```
[CLSCompliant(false)]  
public OpException(OpcStatusCode code, Exception inner)
```

Parameters

[code](#) [OpcStatusCode](#)

The [OpcStatusCode](#) upon its value the according [Message](#) is used for the new instance of the [OpException](#) class.

[inner](#) [Exception](#)

The exception that is the cause of the current exception. If the inner parameter is not null (Nothing in Visual Basic), the current exception is raised in a catch block that handles the inner exception.

OpcException(OpcStatusCode, String)

Initializes a new instance of the [OpcException](#) class with the **code** and **message** specified.

C#

```
[CLSCompliant(false)]  
public OpcException(OpcStatusCode code, string message)
```

Parameters

code [OpcStatusCode](#)

The [OpcStatusCode](#) which is described by the **message**.

message [String](#)

The [Message](#).

OpcException(OpcStatusCode, String, Exception)

Initializes a new instance of the [OpcException](#) class with the **code**, **message** and **inner** exception specified.

C#

```
[CLSCompliant(false)]  
public OpcException(OpcStatusCode code, string message, Exception inner)
```

Parameters

code [OpcStatusCode](#)

The [OpcStatusCode](#) which is described by the **message**.

message [String](#)

The [Message](#).

inner [Exception](#)

The exception that is the cause of the current exception. If the inner parameter is not null (Nothing in Visual Basic), the current exception is raised in a catch block that handles the inner exception.

OpcException(SerializationInfo, StreamingContext)

Initializes a new instance of the [OpcException](#) class with serialized data.

C#

```
protected OpcException(SerializationInfo info, StreamingContext context)
```

Parameters

info [Serialization.SerializationInfo](#)

The [Serialization.SerializationInfo](#) that holds the serialized object data about the exception being thrown.

context [Serialization.StreamingContext](#)

The [Serialization.StreamingContext](#) that contains contextual information about the source or destination.

Exceptions

[ArgumentNullException](#)

The info parameter is a null reference (Nothing in Visual Basic).

[Serialization.SerializationException](#)

The class name is a null reference (Nothing in Visual Basic) or [HResult](#) is zero (0).

OpcException(String)

Initializes a new instance of the [OpcException](#) class with the **message** specified.

C#

```
public OpcException(string message)
```

Parameters

message [String](#)

The [Message](#).

Properties

Code

Gets the according [OpcStatusCode](#) for the [ErrorCode](#).

C#

```
[CLSCompliant(false)]
public OpcStatusCode Code { get; }
```

Property Value

[OpcStatusCode](#)

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

Context

Gets the [OpcContext](#) which was in use while the current [OpcException](#) was generated.

C#

```
public OpcContext Context { get; }
```

Property Value

[OpcContext](#)

An instance of the [OpcContext](#) which was used to store context sensitive data and configuration while the current [OpcException](#) was generated.

Remarks

The [OpcContext](#) instance is at least [Empty](#).

Data

Gets a collection of key/value pairs that provide additional user-defined information about the exception.

C#

```
public override IDictionary Data { get; }
```

Property Value

[IDictionary](#)

An object that implements the [IDictionary](#) interface and contains a collection of user-defined key/value pairs. The default is an empty collection.

ErrorCode

Gets the error code of the [OpcException](#).

C#

```
[CLSCompliant(false)]  
public uint ErrorCode { get; }
```

Property Value

[UInt32](#)

The error code of the [OpcException](#).

HelpLink

Gets or sets a link to the help file associated with this exception.

C#

```
public override string HelpLink { get; set; }
```

Property Value

[String](#)

The Uniform Resource Name (URN) or Uniform Resource Locator (URL).

Message

Gets a message that describes the current exception.

C#

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

Property Value

[String](#)

The error message that explains the reason for the exception.

Result

Gets the result information associated with the exception.

C#

```
public OpcResult Result { get; }
```

Property Value

[OpcResult](#)

An instance of the [OpcResult](#) class from that the exception has been initialized.

Source

Gets or sets the name of the application or the object that causes the error.

C#

```
public override string Source { get; set; }
```

Property Value

String

The name of the application or the object that causes the error.

StackTrace

Gets a string representation of the immediate frames on the call stack.

C#

```
public override string StackTrace { get; }
```

Property Value

String

A string that describes the immediate frames of the call stack.

Methods

GetBaseException()

Returns the System.Exception that is the root cause of one or more subsequent exceptions.

C#

```
public override Exception GetBaseException()
```

Returns

Exception

The first exception thrown in a chain of exceptions.

GetObjectData(SerializationInfo, StreamingContext)

Sets the [Serialization.SerializationInfo](#) with information about the exception.

C#

```
[SecurityPermission(SecurityAction.LinkDemand, Flags =  
SecurityPermissionFlag.SerializationFormatter)]  
public override void GetObjectData(SerializationInfo info, StreamingContext context)
```

Parameters

info [Serialization.SerializationInfo](#)

The [Serialization.SerializationInfo](#) that holds the serialized object data about the exception being thrown.

context [Serialization.StreamingContext](#)

The [Serialization.StreamingContext](#) that contains contextual information about the source or destination.

Exceptions

[ArgumentNullException](#)

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

ToString()

C#

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

Returns

[String](#)

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