

OpcResult Members

Namespace: Opc.UaFx

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

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

Constructors

OpcResult(Exception)

Initializes a new instance of the [OpcResult](#) class using the [exception](#) specified.

C#

```
public OpcResult(Exception exception)
```

Parameters

[exception](#) [Exception](#)

The [Exception](#) from that the result information is to be determined.

Remarks

An [OpcResult](#) constructed from an [Exception](#) does always define the [Bad](#) as [Code](#). Only in case there [Exception](#) does define a [OpcException](#) the [Code](#) may depend on the contents of the [exception](#).

OpcResult(Exception, String)

Initializes a new instance of the [OpcResult](#) class using the [exception](#) and [description](#) specified.

C#

```
public OpcResult(Exception exception, string description)
```

Parameters

[exception](#) [Exception](#)

The [Exception](#) from that the result information is to be determined.

[description](#) [String](#)

The [String](#) which describes the meaning of the [exception](#) represented by the result.

OpcResult(OpcStatusCode)

Initializes a new instance of the [OpcResult](#) class using the [statusCode](#) specified.

C#

```
[CLSCompliant(false)]
public OpcResult(OpcStatusCode statusCode)
```

Parameters

statusCode [OpcStatusCode](#)

One of the [OpcStatusCode](#) enumeration members identifying the result to represent.

OpcResult(OpcStatusCode, String)

Initializes a new instance of the [OpcResult](#) class using the **statusCode** and **description** specified.

C#

```
[CLSCompliant(false)]
public OpcResult(OpcStatusCode statusCode, string description)
```

Parameters

statusCode [OpcStatusCode](#)

One of the [OpcStatusCode](#) enumeration members identifying the result to represent.

description [String](#)

The [String](#) which describes the meaning of the **statusCode** represented by the result.

Properties

Addition

Gets additional diagnostic/debugging information associated with the operation which provides the result represented.

C#

```
public virtual string Addition { get; }
```

Property Value

[String](#)

A string representing additional diagnostic/debugging information.

Code

Gets the [OpcStatusCode](#) associated with the result.

C#

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

Property Value

OpcStatusCode

One of the members defined by the [OpcStatusCode](#) enumeration or a custom numeric expression for custom status codes.

Description

Gets the localized description of the result represented.

C#

```
public virtual OpcText Description { get; }
```

Property Value

OpcText

The localized description from that the result has been created if neither a null reference (Nothing in Visual Basic) nor empty; otherwise the description associated with the [Code](#).

InnerResult

Gets the [OpcResult](#) instance that caused the current result.

C#

```
public OpcResult InnerResult { get; }
```

Property Value

OpcResult

An object that describes the result that caused the current result. This value can be a null reference (Nothing in Visual Basic).

IsBad

Gets a value indicating whether the result falls within the category bad.

C#

```
public virtual bool IsBad { get; }
```

Property Value

Boolean

The value true if the result falls within the category bad; otherwise the value false.

IsGood

Gets a value indicating whether the result falls within the category good.

C#

```
public virtual bool IsGood { get; }
```

Property Value

Boolean

The value true if the result falls within the category good; otherwise the value false.

IsUncertain

Gets a value indicating whether the result falls within the category uncertain.

C#

```
public virtual bool IsUncertain { get; }
```

Property Value

Boolean

The value true if the result falls within the category uncertain; otherwise the value false.

Methods

CompareTo(Object)

Compares the current [OpcResult](#) with the [other](#).

C#

```
public int CompareTo(object other)
```

Parameters

[other](#) [Object](#)

The [OpcResult](#) to compare with this [OpcResult](#).

Returns

Int32

A 32-bit signed integer that indicates the relative order of the objects being compared ([CompareTo\(Object\)](#)).

CompareTo(OpcResult)

Compares the current [OpcResult](#) with another [OpcResult](#).

C#

```
public int CompareTo(OpcResult other)
```

Parameters

other [OpcResult](#)

The [OpcResult](#) to compare with this [OpcResult](#).

Returns

Int32

A 32-bit signed integer that indicates the relative order of the objects being compared ([CompareTo\(\)](#)).

Equals(Object)

Determines whether the specified **other** is equal to this [OpcResult](#).

C#

```
public override bool Equals(object other)
```

Parameters

other [Object](#)

The [OpcResult](#) to compare to the current [OpcResult](#).

Returns

Boolean

The value true if the specified [OpcResult](#) is equal to the current [OpcResult](#); otherwise the value false.

Equals(OpcResult)

Determines whether the specified **other** is equal to this [OpcResult](#).

C#

```
public bool Equals(OpcResult other)
```

Parameters

other OpcResult

The OpcResult to compare to the current OpcResult.

Returns

Boolean

The value true if the specified OpcResult is equal to the current OpcResult; otherwise the value false.

GetBaseResult()

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

C#

```
public OpcResult GetBaseResult()
```

Returns

OpcResult

The first result captured in a chain of results. If the InnerResult property of the current result is a null reference (Nothing in Visual Basic), this method returns the current result.

GetHashCode()

Retrieves a hash code for this OpcResult.

C#

```
public override int GetHashCode()
```

Returns

Int32

An Int32 that contains the hash code for the OpcResult.

ToString()

Returns a string that represents the current OpcResult.

C#

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

Returns

String

A string that represents the current [OpcResult](#) including the [Code](#) and [Description](#) of the result represented.

Operators

Equality(OpcResult, OpcResult)

Returns a value indicating whether two instance of [OpcResult](#) are equal.

C#

```
public static bool operator ==(OpcResult left, OpcResult right)
```

Explicit(OpcResult to ServiceResult)

Converts a [OpcResult](#) to an [ServiceResult](#) object.

C#

```
[CLSCompliant(false)]  
public static explicit operator ServiceResult(OpcResult value)
```

GreaterThan(OpcResult, OpcResult)

Determines whether the first specified [OpcResult](#) object is greater than the second specified [OpcResult](#) object.

C#

```
public static bool operator >(OpcResult left, OpcResult right)
```

GreaterThanOrEqual(OpcResult, OpcResult)

Determines whether the first specified [OpcResult](#) object is greater than or equal to the second specified [OpcResult](#) object.

C#

```
public static bool operator >=(OpcResult left, OpcResult right)
```

Implicit(Boolean to OpcResult)

Converts a [Boolean](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(bool value)
```

Implicit(Byte to OpcResult)

Converts a [Byte](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(byte value)
```

Implicit(Decimal to OpcResult)

Converts a [Decimal](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(decimal value)
```

Implicit(Double to OpcResult)

Converts a [Double](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(double value)
```

Implicit(Int16 to OpcResult)

Converts a [Int16](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(short value)
```

Implicit(Int32 to OpcResult)

Converts a [Int32](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(int value)
```

Implicit(Int64 to OpcResult)

Converts a [Int64](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(long value)
```

Implicit(Nullable<Boolean> to OpcResult)

Converts a nullable [Boolean](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(bool? value)
```

Implicit(Nullable<Byte> to OpcResult)

Converts a nullable [Byte](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(byte? value)
```

Implicit(Nullable<Decimal> to OpcResult)

Converts a nullable [Decimal](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(decimal? value)
```

Implicit(Nullable<Double> to OpcResult)

Converts a nullable [Double](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(double? value)
```

Implicit(Nullable<Int16> to OpcResult)

Converts a nullable [Int16](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(short? value)
```

Implicit(Nullable<Int32> to OpcResult)

Converts a nullable [Int32](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(int? value)
```

Implicit(Nullable<Int64> to OpcResult)

Converts a nullable [Int64](#) to an [OpcResult](#) object.

C#

```
[CLSCompliant(false)]  
public static implicit operator OpcResult(long? value)
```

Implicit(Nullable<SByte> to OpcResult)

Converts a nullable [SByte](#) to an [OpcResult](#) object.

C#

```
[CLSCompliant(false)]  
public static implicit operator OpcResult(sbyte? value)
```

Implicit(Nullable<Single> to OpcResult)

Converts a nullable [Single](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(float? value)
```

Implicit(Nullable<UInt32> to OpcResult)

Converts a nullable [UInt32](#) to an [OpcResult](#) object.

C#

```
[CLSCompliant(false)]  
public static implicit operator OpcResult(uint? value)
```

Implicit(Nullable<UInt64> to OpcResult)

Converts a nullable [UInt64](#) to an [OpcResult](#) object.

C#

```
[CLSCompliant(false)]  
public static implicit operator OpcResult(ulong? value)
```

Implicit(OpcStatus to OpcResult)

Converts a [OpcStatus](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(OpcStatus value)
```

Implicit(OpcStatusCode to OpcResult)

Converts a [OpcStatusCode](#) to an [OpcResult](#) object.

C#

```
[CLSCompliant(false)]  
public static implicit operator OpcResult(OpcStatusCode value)
```

Implicit(SByte to OpcResult)

Converts a [SByte](#) to an [OpcResult](#) object.

C#

```
[CLSCompliant(false)]  
public static implicit operator OpcResult(sbyte value)
```

Implicit(ServiceResult to OpcResult)

Converts a [ServiceResult](#) to an [OpcResult](#) object.

C#

```
[CLSCompliant(false)]  
public static implicit operator OpcResult(ServiceResult value)
```

Implicit(Single to OpcResult)

Converts a [Single](#) to an [OpcResult](#) object.

C#

```
public static implicit operator OpcResult(float value)
```

Implicit(StatusCode to OpcResult)

Converts a [StatusCode](#) to an [OpcResult](#) object.

C#

```
[CLSCompliant(false)]  
public static implicit operator OpcResult(StatusCode value)
```

Implicit(UInt16 to OpcResult)

Converts a [UInt16](#) to an [OpcResult](#) object.

C#

```
[CLSCompliant(false)]
public static implicit operator OpcResult(ushort value)
```

Implicit(UInt32 to OpcResult)

Converts a [UInt32](#) to an [OpcResult](#) object.

C#

```
[CLSCompliant(false)]
public static implicit operator OpcResult(uint value)
```

Implicit(UInt64 to OpcResult)

Converts a [UInt64](#) to an [OpcResult](#) object.

C#

```
[CLSCompliant(false)]
public static implicit operator OpcResult(ulong value)
```

Inequality(OpcResult, OpcResult)

Returns a value indicating whether two instances of [OpcResult](#) are not equal.

C#

```
public static bool operator !=(OpcResult left, OpcResult right)
```

LessThan(OpcResult, OpcResult)

Determines whether the first specified [OpcResult](#) object is less than the second specified [OpcResult](#) object.

C#

```
public static bool operator <(OpcResult left, OpcResult right)
```

Exceptions

[ArgumentNullException](#)

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

LessThanOrEqual(OpcResult, OpcResult)

Determines whether the first specified [OpcResult](#) object is less than or equal to the second [OpcResult](#) object.

C#

```
public static bool operator <=(OpcResult left, OpcResult right)
```

Exceptions

ArgumentNullException

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

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