

OpcHistoryValue Members

Namespace: Opc.UaFx

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

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

Constructors

OpcHistoryValue(Object, DateTime)

C#

```
public OpcHistoryValue(object value, DateTime timestamp)
```

Parameters

value Object

timestamp DateTime

OpcHistoryValue(Object, DateTime, OpcStatus)

C#

```
public OpcHistoryValue(object value, DateTime timestamp, OpcStatus status)
```

Parameters

value Object

timestamp DateTime

status OpcStatus

OpcHistoryValue(Object, DateTime, OpcStatusCode)

C#

```
[CLSCompliant(false)]
public OpcHistoryValue(object value, DateTime timestamp, OpcStatusCode statusCode)
```

Parameters

value Object

timestamp DateTime

statusCode OpcStatusCode

Properties

Timestamp

C#

```
public virtual DateTime Timestamp { get; }
```

Property Value

DateTime

Methods

CompareTo(OpcHistoryValue)

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

C#

```
public int CompareTo(OpcHistoryValue other)
```

Parameters

other OpcHistoryValue

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

Returns

Int32

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

Create(OpcValue)

C#

```
public static OpcHistoryValue Create(OpcValue value)
```

Parameters

value OpcValue

Returns

OpcHistoryValue

Exceptions

ArgumentNullException

Create<T>(OpcVariableValue<T>)

C#

```
public static OpcHistoryValue Create<T>(OpcVariableValue<T> value)
```

Parameters

value OpcVariableValue<T>

Returns

OpcHistoryValue

Exceptions

ArgumentNullException

CreateModified(OpcHistoryModificationInfo)

C#

```
public OpcModifiedHistoryValue CreateModified(OpcHistoryModificationInfo modificationInfo)
```

Parameters

modificationInfo [OpcHistoryModificationInfo](#)

Returns

[OpcModifiedHistoryValue](#)

Exceptions

[ArgumentNullException](#)

CreateModified(OpcHistoryModificationInfo, Object)

C#

```
public OpcModifiedHistoryValue CreateModified(OpcHistoryModificationInfo modificationInfo,  
object value)
```

Parameters

modificationInfo [OpcHistoryModificationInfo](#)

value [Object](#)

Returns

[OpcModifiedHistoryValue](#)

Exceptions

[ArgumentNullException](#)

CreateModified(OpcHistoryModificationType)

C#

```
public OpcModifiedHistoryValue CreateModified(OpcHistoryModificationType modificationType)
```

Parameters

modificationType OpcHistoryModificationType

Returns

OpcModifiedHistoryValue

CreateModified(OpcHistoryModificationType, String)

C#

```
public OpcModifiedHistoryValue CreateModified(OpcHistoryModificationType modificationType,  
string userName)
```

Parameters

modificationType OpcHistoryModificationType

userName String

Returns

OpcModifiedHistoryValue

CreateModified(OpcHistoryModificationType, String, DateTime)

C#

```
public OpcModifiedHistoryValue CreateModified(OpcHistoryModificationType modificationType,  
string userName, DateTime timestamp)
```

Parameters

modificationType OpcHistoryModificationType

userName String

timestamp DateTime

Returns

OpcModifiedHistoryValue

CreateModified(OpcHistoryModificationType, String, DateTime, Object)

C#

```
public OpcModifiedHistoryValue CreateModified(OpcHistoryModificationType modificationType,  
string userName, DateTime timestamp, object value)
```

Parameters

modificationType OpcHistoryModificationType

userName String

timestamp DateTime

value Object

Returns

OpcModifiedHistoryValue

Equals(Object)

Determines whether the specified **other** is equal to this **OpcHistoryValue**.

C#

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

Parameters

other Object

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

Returns

Boolean

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

Equals(OpcHistoryValue)

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

C#

```
public bool Equals(OpcHistoryValue other)
```

Parameters

[other](#) OpcHistoryValue

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

Returns

Boolean

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

GetHashCode()

Retrieves a hash code for this [OpcHistoryValue](#).

C#

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

Returns

Int32

An [Int32](#) that contains the hash code for the [OpcHistoryValue](#).

ToString()

C#

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

Returns

String

ToString(String, IFormatProvider)

C#

```
public override string ToString(string format, IFormatProvider formatProvider)
```

Parameters

format String

formatProvider IFormatProvider

Returns

String

Exceptions

FormatException

Operators

Equality(OpcHistoryValue, OpcHistoryValue)

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

C#

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

GreaterThan(OpcHistoryValue, OpcHistoryValue)

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

C#

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

GreaterThanOrEqual(OpcHistoryValue, OpcHistoryValue)

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

C#

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

Inequality(OpcHistoryValue, OpcHistoryValue)

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

C#

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

LessThan(OpcHistoryValue, OpcHistoryValue)

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

C#

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

Exceptions

ArgumentNullException

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

LessThanOrEqual(OpcHistoryValue, OpcHistoryValue)

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

C#

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

Exceptions

ArgumentNullException

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

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