

OpcNodeHistory<T> Members

Namespace: Opc.UaFx.Server

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

The [OpcNodeHistory<T>](#) type exposes the following members.

Constructors

OpcNodeHistory()

C#

```
public OpcNodeHistory()
```

OpcNodeHistory(IEnumerable<T>)

C#

```
public OpcNodeHistory(IEnumerable<T> values)
```

Parameters

values [IEnumerable<T>](#)

Exceptions

[ArgumentException](#)

[ArgumentNullException](#)

OpcNodeHistory(Int32)

C#

```
public OpcNodeHistory(int capacity)
```

Parameters

capacity [Int32](#)

Exceptions

[ArgumentOutOfRangeException](#)

OpcNodeHistory(Int32, IEnumerable<T>)

C#

```
public OpcNodeHistory(int capacity, IEnumerable<T> values)
```

Parameters

capacity [Int32](#)

values [IEnumerable<T>](#)

Exceptions

[ArgumentException](#)

[ArgumentNullException](#)

OpcNodeHistory(Int32, T[])

C#

```
public OpcNodeHistory(int capacity, params T[] values)
```

Parameters

capacity [Int32](#)

values [T](#)

Exceptions

[ArgumentException](#)

[ArgumentNullException](#)

OpcNodeHistory(T[])

C#

```
public OpcNodeHistory(params T[] values)
```

Parameters

values T

Exceptions

[ArgumentException](#)

[ArgumentNullException](#)

Events

Added

C#

```
public event EventHandler<OpcNodeHistoryEventArgs<T>> Added
```

Removed

C#

```
public event EventHandler<OpcNodeHistoryEventArgs<T>> Removed
```

Replaced

C#

```
public event EventHandler<OpcNodeHistoryEventArgs<T>> Replaced
```

Properties

Capacity

C#

```
public int Capacity { get; }
```

Property Value

Int32

Count

C#

```
public int Count { get; }
```

Property Value

Int32

EnableRaisingEvents

C#

```
public bool EnableRaisingEvents { get; set; }
```

Property Value

Boolean

EndTime

C#

```
public DateTime? EndTime { get; }
```

Property Value

Nullable<DateTime>

Item[DateTime]

C#

```
public T this[DateTime timestamp] { get; set; }
```

Property Value

T

Exceptions

KeyNotFoundException

Item[Int32]

C#

```
public T this[int index] { get; set; }
```

Property Value

T

Exceptions

ArgumentOutOfRangeException

StartTime

C#

```
public DateTime? StartTime { get; }
```

Property Value

Nullable<DateTime>

Methods

Add(T)

C#

```
public void Add(T value)
```

Parameters

value **T**

Exceptions

[ArgumentException](#)

[ArgumentNullException](#)

AddRange(IEnumerable<T>)

C#

```
public void AddRange(IEnumerable<T> values)
```

Parameters

values [IEnumerable<T>](#)

Exceptions

[ArgumentException](#)

[ArgumentNullException](#)

AddRange(T[])

C#

```
public void AddRange(params T[] values)
```

Parameters

values **T**

Exceptions

ArgumentException

ArgumentNullException

Clear()

C#

```
public void Clear()
```

Contains(DateTime)

C#

```
public bool Contains(DateTime timestamp)
```

Parameters

timestamp DateTime

Returns

Boolean

Contains(T)

C#

```
public bool Contains(T value)
```

Parameters

value T

Returns

Boolean

Exceptions

ArgumentNullException

Enumerate()

C#

```
public IEnumerable<T> Enumerate()
```

Returns

[IEnumerable<T>](#)

Enumerate(Nullable<DateTime>)

C#

```
public IEnumerable<T> Enumerate(DateTime? startTime)
```

Parameters

[startTime](#) [Nullable<DateTime>](#)

Returns

[IEnumerable<T>](#)

Enumerate(Nullable<DateTime>, Nullable<DateTime>)

C#

```
public IEnumerable<T> Enumerate(DateTime? startTime, DateTime? endTime)
```

Parameters

[startTime](#) [Nullable<DateTime>](#)

[endTime](#) [Nullable<DateTime>](#)

Returns

[IEnumerable<T>](#)

GetEnumerator()

C#

```
public IEnumerator<T> GetEnumerator()
```

Returns

[IEnumerator<T>](#)

OnAdded(OpcNodeHistoryEventArgs<T>)

C#

```
protected virtual void OnAdded(OpcNodeHistoryEventArgs<T> e)
```

Parameters

[e](#) [OpcNodeHistoryEventArgs<T>](#)

OnRemoved(OpcNodeHistoryEventArgs<T>)

C#

```
protected virtual void OnRemoved(OpcNodeHistoryEventArgs<T> e)
```

Parameters

[e](#) [OpcNodeHistoryEventArgs<T>](#)

OnReplaced(OpcNodeHistoryEventArgs<T>)

C#

```
protected virtual void OnReplaced(OpcNodeHistoryEventArgs<T> e)
```

Parameters

[e](#) [OpcNodeHistoryEventArgs<T>](#)

Remove(T)

C#

```
public bool Remove(T value)
```

Parameters

value T

Returns

Boolean

Exceptions

ArgumentNullException

RemoveAt(DateTime)

C#

```
public void RemoveAt(DateTime timestamp)
```

Parameters

timestamp DateTime

Exceptions

ArgumentOutOfRangeException

RemoveAt(DateTime[])

C#

```
public void RemoveAt(params DateTime[] timestamps)
```

Parameters

timestamps DateTime[]

Exceptions

ArgumentNullException

ArgumentOutOfRangeException

RemoveAt(IEnumerable<DateTime>)

C#

```
public void RemoveAt(IEnumerable<DateTime> timestamps)
```

Parameters

timestamps IEnumerable<DateTime>

Exceptions

ArgumentNullException

ArgumentOutOfRangeException

RemoveAt(Int32)

C#

```
public void RemoveAt(int index)
```

Parameters

index Int32

Exceptions

[ArgumentOutOfRangeException](#)

RemoveRange(Nullable<DateTime>)

C#

```
public void RemoveRange(DateTime? startTime)
```

Parameters

startTime [Nullable<DateTime>](#)

Exceptions

[ArgumentOutOfRangeException](#)

RemoveRange(Nullable<DateTime>, Nullable<DateTime>)

C#

```
public void RemoveRange(DateTime? startTime, DateTime? endTime)
```

Parameters

startTime [Nullable<DateTime>](#)

endTime [Nullable<DateTime>](#)

Replace(T)

C#

```
public void Replace(T value)
```

Parameters

value [T](#)

Exceptions

[ArgumentException](#)

[ArgumentNullException](#)

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