

OpcNodeHistorian Members

Namespace: Opc.UaFx.Server

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

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

Constructors

OpcNodeHistorian(OpcNodeManager, OpcVariableNode)

C#

```
public OpcNodeHistorian(OpcNodeManager owner, OpcVariableNode node)
```

Parameters

owner [OpcNodeManager](#)

node [OpcVariableNode](#)

Exceptions

[ArgumentNullException](#)

OpcNodeHistorian(OpcNodeManager, OpcVariableNode, Int32)

C#

```
public OpcNodeHistorian(OpcNodeManager owner, OpcVariableNode node, int capacity)
```

Parameters

owner [OpcNodeManager](#)

node [OpcVariableNode](#)

capacity [Int32](#)

Exceptions

[ArgumentNullException](#)

[ArgumentOutOfRangeException](#)

OpcNodeHistorian(OpcNodeManager, OpcVariableNode, Int32, Int32)

C#

```
public OpcNodeHistorian(OpcNodeManager owner, OpcVariableNode node, int capacity, int modifiedCapacity)
```

Parameters

owner [OpcNodeManager](#)

node [OpcVariableNode](#)

capacity [Int32](#)

modifiedCapacity [Int32](#)

Exceptions

[ArgumentNullException](#)

[ArgumentOutOfRangeException](#)

Properties

AutoUpdateHistory

C#

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

Property Value

Boolean

History

C#

```
public OpcNodeHistory<OpcHistoryValue> History { get; }
```

Property Value

OpcNodeHistory<OpcHistoryValue>

ModifiedHistory

C#

```
public OpcNodeHistory<OpcModifiedHistoryValue> ModifiedHistory { get; }
```

Property Value

OpcNodeHistory<OpcModifiedHistoryValue>

Node

C#

```
public OpcVariableNode Node { get; }
```

Property Value

OpcVariableNode

Owner

C#

```
public OpcNodeManager Owner { get; }
```

Property Value

OpcNodeManager

SyncRoot

C#

```
public object SyncRoot { get; }
```

Property Value

Object

Methods

CreateHistory(OpcContext, OpcHistoryModificationInfo, OpcValueCollection)

C#

```
public OpcStatusCollection CreateHistory(OpcContext context, OpcHistoryModificationInfo  
modificationInfo, OpcValueCollection values)
```

Parameters

context OpcContext

modificationInfo OpcHistoryModificationInfo

values OpcValueCollection

Returns

OpcStatusCollection

Exceptions

ArgumentNullException

DeleteHistory(OpcContext, OpcHistoryModificationInfo, IEnumerable<DateTime>)

C#

```
public OpcStatusCollection DeleteHistory(OpcContext context, OpcHistoryModificationInfo
modificationInfo, IEnumerable<DateTime> times)
```

Parameters

context [OpcContext](#)

modificationInfo [OpcHistoryModificationInfo](#)

times [IEnumerable<DateTime>](#)

Returns

[OpcStatusCollection](#)

Exceptions

[ArgumentNullException](#)

DeleteHistory(OpcContext, OpcHistoryModificationInfo, Nullable<DateTime>, Nullable<DateTime>, OpcDeleteHistoryOptions)

C#

```
public OpcStatusCollection DeleteHistory(OpcContext context, OpcHistoryModificationInfo
modificationInfo, DateTime? startTime, DateTime? endTime, OpcDeleteHistoryOptions options)
```

Parameters

context [OpcContext](#)

modificationInfo [OpcHistoryModificationInfo](#)

startTime [Nullable<DateTime>](#)

endTime [Nullable<DateTime>](#)

options [OpcDeleteHistoryOptions](#)

Returns

[OpcStatusCollection](#)

Exceptions

[ArgumentNullException](#)

DeleteHistory(OpcContext, OpcHistoryModificationInfo, OpcValueCollection)

C#

```
public OpcStatusCollection DeleteHistory(OpcContext context, OpcHistoryModificationInfo  
modificationInfo, OpcValueCollection values)
```

Parameters

context [OpcContext](#)

modificationInfo [OpcHistoryModificationInfo](#)

values [OpcValueCollection](#)

Returns

[OpcStatusCollection](#)

Exceptions

[ArgumentNullException](#)

ReadHistory(OpcContext, Nullable<DateTime>,

Nullable<DateTime>, OpcReadHistoryOptions)

C#

```
public IEnumerable<OpcHistoryValue> ReadHistory(OpcContext context, DateTime? startTime,
DateTime? endTime, OpcReadHistoryOptions options)
```

Parameters

context OpcContext

startTime Nullable<DateTime>

endTime Nullable<DateTime>

options OpcReadHistoryOptions

Returns

IEnumerable<OpcHistoryValue>

ReplaceHistory(OpcContext, OpcHistoryModificationInfo, OpcValueCollection)

C#

```
public OpcStatusCollection ReplaceHistory(OpcContext context, OpcHistoryModificationInfo
modificationInfo, OpcValueCollection values)
```

Parameters

context OpcContext

modificationInfo OpcHistoryModificationInfo

values OpcValueCollection

Returns

OpcStatusCollection

Exceptions

[ArgumentNullException](#)

UpdateHistory(OpcContext, OpcHistoryModificationInfo, OpcValueCollection)

C#

```
public OpcStatusCollection UpdateHistory(OpcContext context, OpcHistoryModificationInfo  
modificationInfo, OpcValueCollection values)
```

Parameters

context [OpcContext](#)

modificationInfo [OpcHistoryModificationInfo](#)

values [OpcValueCollection](#)

Returns

[OpcStatusCollection](#)

Exceptions

[ArgumentNullException](#)

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