

OpcMonitoredItemStatus Members

Namespace: Opc.UaFx.Client

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

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

Properties

Attribute

Gets the [OpcAttribute](#) being monitored.

C#

```
public OpcAttribute Attribute { get; }
```

Property Value

[OpcAttribute](#)

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

Encoding

Gets the name of the data encoding used.

C#

```
public OpcName Encoding { get; }
```

Property Value

[OpcName](#)

The [OpcName](#) which refers to the type of data encoding used or a null reference (Nothing in Visual Basic) if the default encoding of the client is used.

Error

Gets additional information regarding an issue which applies to the [OpcMonitoredItem](#) this [OpcMonitoredItemStatus](#) belongs to.

C#

```
public OpcResult Error { get; }
```

Property Value

OpcResult

An instance of the [OpcResult](#) class with additional information regarding an issue which applies to the [OpcMonitoredItem](#) or a null reference (Nothing in Visual Basic) if there is no issue associated with the status of the [OpcMonitoredItem](#).

Filter

Gets the filter used to evaluate while generating notifications for the [OpcMonitoredItem](#) this [OpcMonitoredItemStatus](#) belongs to.

C#

```
public OpcMonitoringFilter Filter { get; }
```

Property Value

[OpcMonitoringFilter](#)

An instance of the [OpcDataChangeFilter](#) class to filter data change related notifications, an instance of the [OpcEventFilter](#) class to filter events related notifications or a null reference (Nothing in Visual Basic) if no filtering is applied to the notifications generated for the [OpcMonitoredItem](#).

Id

Gets the server-assigned unique identifier for the [OpcMonitoredItem](#) this [OpcMonitoredItemStatus](#) belongs to.

C#

```
public long Id { get; }
```

Property Value

[Int64](#)

The server-assigned unique identifier for the [OpcMonitoredItem](#).

IndexRange

Gets the range of array indices to monitor.

C#

```
public string IndexRange { get; }
```

Property Value

[String](#)

A [String](#) expressing the indices being monitored.

IsCreated

Gets a value indicating whether the [OpcMonitoredItem](#), to that this [OpcMonitoredItemStatus](#) belongs to, has been created.

C#

```
public bool IsCreated { get; }
```

Property Value

[Boolean](#)

The value true if the [OpcMonitoredItem](#) has been created on the server; otherwise the value false.

MonitoringMode

Gets the monitoring mode used while monitoring.

C#

```
public OpcMonitoringMode MonitoringMode { get; }
```

Property Value

[OpcMonitoringMode](#)

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

NodeId

Gets the node identifier of the node being monitored.

C#

```
public OpcNodeId NodeId { get; }
```

Property Value

[OpcNodeId](#)

An instance of the [OpcNodeId](#) class identifying the node its [Attribute](#) is being monitored.

QueueMode

Gets the mode used to enqueue and dequeue notification data items.

C#

```
public OpcMonitoredItemQueueMode QueueMode { get; }
```

Property Value

[OpcMonitoredItemQueueMode](#)

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

QueueSize

Gets the actual value which defines the total number of notifications the server queues for a [OpcMonitoredItem](#).

C#

```
public long QueueSize { get; }
```

Property Value

[Int64](#)

The negotiated and actual [QueueSize](#) used.

Remarks

The server negotiates the value up or down to meet its own constraints.

SamplingInterval

Gets the actual sampling interval used by the server for a [OpcMonitoredItem](#).

C#

```
public double SamplingInterval { get; }
```

Property Value

[Double](#)

The negotiated and actual [SamplingInterval](#) used.

Remarks

The server negotiates the value up or down to meet its own constraints.

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