OpcEventNodeView Members

Namespace: Opc.UaFx
Assemblies: Opc.UaFx.Advanced.dll, Opc.UaFx.Advanced.dll
The OpcEventNodeView type exposes the following members.

Properties

Data

Gets the data associated with this view.

C#

```
public OpcEventDataSetItem Data { get; }
```

Property Value

OpcEventDataSetItem

The OpcEventDataSetItem containing the contents of this OpcEventNodeView.

EventTypeId

Gets the node identifier identifying the type of 'Opc.UaFx.OpcEventNode' the Data belong to.

C#

```
public OpcNodeId EventTypeId { get; }
```

Property Value

OpcNodeId

An instance of the OpcNodeId in case there the Filter not includes type informaton a null reference (Nothing in Visual Basic).

Filter

Gets the OpcEventFilter used to gather the Data.

C#

```
public OpcEventFilter Filter { get; }
```

Property Value

OpcEventFilter

The OpcEventFilter which defines the circumstances under which the Data has been charged.

Methods

Get<T>(OpcAttribute, OpcName)

Retrieves the value of the `attribute` of the element browsable through the `name` specified.

C#

```
public T Get<T>(OpcAttribute attribute, OpcName name)
```

Parameters

`attribute` OpcAttribute

One of the members defined by the OpcAttribute enumeration identifying the attribute value to query from the element specified by the `name`.

`name` OpcName

The OpcName to use to browse to the element from that the requested `attribute` value is to be retrieved.

Returns

T

The `T` of the attribute of the element requested or the default value if the attribute value is not of the type specified by `T`.

Get<T>(OpcAttribute, OpcName[])

Retrieves the value of the `attribute` of the element browsable through the `pathElements` specified.

C#

```
public T Get<T>(OpcAttribute attribute, params OpcName[] pathElements)
```

Parameters

`attribute` OpcAttribute

One of the members defined by the OpcAttribute enumeration identifying the attribute value to query from the element specified by the `pathElements`.

`pathElements` OpcName[]

The OpcName's to use to browse to the element from that the requested `attribute` value is to be retrieved.

Returns

T

The `T` of the attribute of the element requested or the default value if the attribute value is not of the type specified by `T`.

Exceptions

ArgumentNullException

One of the items in `pathElements` is a null reference (Nothing in Visual Basic).

Get<T>(OpcAttribute, OpcNamePath)

Retrieves the value of the `attribute` of the element browsable through the `path` specified.

C#

```
public T Get<T>(OpcAttribute attribute, OpcNamePath path)
```

Parameters

`attribute` OpcAttribute

One of the members defined by the OpcAttribute enumeration identifying the attribute value to query from the element specified by the `path`.

`path` OpcNamePath

The sequence OpcName instances to use to browse to the element from that the requested `attribute` value is to be retrieved.

Returns

T

The `T` of the attribute of the element requested or the default value if the attribute value is not of the type specified by `T`.

Exceptions

ArgumentNullException

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

Get<T>(OpcAttribute, String)

Retrieves the value of the `attribute` of the element browsable through the `name` specified.

C#

```
public T Get<T>(OpcAttribute attribute, string name = "")
```

Parameters

`attribute` OpcAttribute

One of the members defined by the OpcAttribute enumeration identifying the attribute value to query from the element specified by the `name`.

`name` String

The String formatted OpcName to use to browse to the element from that the requested `attribute` value is to be retrieved.

Returns

T

The `T` of the attribute of the element requested or the default value if the attribute value is not of the type specified by `T`.

Get<T>(OpcName)

Retrieves the Value attribute of the element browsable through the `name` specified.

C#

```
public T Get<T>(OpcName name)
```

Parameters

`name` OpcName

The OpcName to use to browse to the element from that the requested Value attribute is to be retrieved.

Returns

T

The `T` of the attribute of the element requested or the default value if the attribute value is not of the type specified by `T`.

Get<T>(String)

Retrieves the Value attribute of the element browsable through the `name` specified.

C#

```
public T Get<T>(string name = "")
```

Parameters

`name` String

The String formatted OpcName to use to browse to the element from that the requested Value attribute is

to be retrieved.

Returns

T

The T of the attribute of the element requested or the default value if the attribute value is not of the type specified by T.

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