

OpcPathProbing Members

Namespace: Opc.UaFx

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

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

Constructors

OpcPathProbing()

Initializes a new instance of the [OpcPathProbing](#) class.

C#

```
protected OpcPathProbing()
```

Events

Failed

Occurs when a call to [Evaluate](#) failed upon a specific reason. This can be either an exception during the evaluation or the path information does not fulfill one of the circumstances the evaluation assures.

C#

```
public event OpcPathProbingFailedEventHandler Failed
```

Methods

Evaluate()

Processes the evaluation of the [String](#)-based path value associated with this [OpcPathProbing](#) and offers the determined and fulfilled path information accordingly.

C#

```
public string Evaluate()
```

Returns

[String](#)

The full qualified [String](#)-based path which fulfills the needs of existence, accessibility and other circumstances or a null reference (Nothing in Visual Basic) if the path information could not fulfill at least one of the requirements associated with this [OpcPathProbing](#). For more information about the failure of the

evaluation handle the **Failed** event of this instance accordingly.

EvaluateCore()

When implemented in a derived class, processes the implementation specific evaluation of the **String**-based path value associated with this **OpcPathProbing** specialization and offers the determined and fulfilled path information accordingly.

C#

```
protected abstract string EvaluateCore()
```

Returns

String

The full qualified **String**-based path which fulfills the needs of this probing or a null reference (Nothing in Visual Basic) if the path information could not fulfill at least one of the requirements of this probing.

OnFailed(OpcPathProbingFailedEventArgs)

Raises the **Failed** event of the **OpcPathProbing**.

C#

```
protected virtual void OnFailed(OpcPathProbingFailedEventArgs e)
```

Parameters

e **OpcPathProbingFailedEventArgs**

The event data offering the reason of the failed evaluation.

ReportFailed(Exception)

Reports the failure of the evaluation using the **exception** which led to the nonsuccess.

C#

```
protected void ReportFailed(Exception exception)
```

Parameters

exception **Exception**

The **Exception** instance which led to the nonsuccess reported or a null reference (Nothing in Visual Basic) if there is no exceptional information available.

ReportFailed(Exception, String, Object[])

Reports the failure of the evaluation using the **exception** which led to the nonsuccess. The further defined **message** and **arguments** offer additional information about the source of the **exception** or which evaluation task has failed.

C#

```
protected void ReportFailed(Exception exception, string message, params object[] arguments)
```

Parameters

exception [Exception](#)

The [Exception](#) instance which led to the nonsuccess reported or a null reference (Nothing in Visual Basic) if there is no exceptional information available.

message [String](#)

The additional description about the failure or a null reference (Nothing in Visual Basic) if there is no more information available. In case there the **message** is a null reference (Nothing in Visual Basic) a default message is used instead.

arguments [Object\[\]](#)

The arguments to format into the **message** specified. If **message** is a null reference (Nothing in Visual Basic) the array of [Object](#) values is ignored.

ReportFailed(String, Object[])

Reports the failure of the evaluation using the **message** and **arguments** information to describe the evaluation task which failed.

C#

```
protected void ReportFailed(string message, params object[] arguments)
```

Parameters

message [String](#)

The description about the failure or a null reference (Nothing in Visual Basic) if there is no information available. In case there the **message** is a null reference (Nothing in Visual Basic) a default message is used instead.

arguments [Object\[\]](#)

The arguments to format into the **message** specified. If **message** is a null reference (Nothing in Visual Basic) the array of [Object](#) values is ignored.

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