

IOpcTranslatePathsService Members

Namespace: Opc.UaFx.Services

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

The [IOpcTranslatePathsService](#) interface defines the following members.

Properties

MaxPathsPerTranslate

Gets or sets the maximum number of paths which shall be translated using a single translate request. This number indirectly defines the number of requests used to send a specific number of translate requests to the server.

C#

```
uint? MaxPathsPerTranslate { get; set; }
```

Property Value

[Nullable<UInt32>](#)

The absolute number of translate commands which shall be send to the server per request or a null reference (Nothing in Visual Basic). In case there a specific number of nodes is used, a request with more commands as the [MaxPathsPerTranslate](#) is partitioned into multiple requests and the responses of them are accumulated. The default value of this property is a null reference (Nothing in Visual Basic) and means that all commands defined are send to the server using the server defined number of paths per translate request.

UsedMaxPathsPerTranslate

Gets the maximum number of paths which are translated using a single translate request. This property will use either the [MaxPathsPerTranslate](#) or the maximum number of paths which can be translated in one request as defined by the server. The lowest number of paths is used to partition the commands to execute into multiple translate requests.

C#

```
uint? UsedMaxPathsPerTranslate { get; }
```

Property Value

[Nullable<UInt32>](#)

In case there has already been one translate attempt (with more than one translate command) the definite number of commands per translate request; otherwise a null reference (Nothing in Visual Basic).

Methods

TranslatePaths(IEnumerable<OpcTranslatePath>)

Translates one or more paths starting from one or more dedicated nodes using the specified **commands**.

C#

```
OpcTranslatePathResultCollection TranslatePaths(IEnumerable<OpcTranslatePath> commands)
```

Parameters

commands [IEnumerable<OpcTranslatePath>](#)

A sequence of [OpcTranslatePath](#) instances to process.

Returns

[OpcTranslatePathResultCollection](#)

An instance of the [OpcTranslatePathResultCollection](#) class which contains the target identifiers the paths were translated to through the **commands** specified; together with information about the outcome of each processed command.

Exceptions

[ArgumentNullException](#)

The **commands** sequence or one of its items is a null reference (Nothing in Visual Basic).

[InvalidOperationException](#)

The translate path service is currently not supported, especially using the **commands** specified.

[OpcException](#)

The service execution failed upon different circumstances; for more details see exception details. The following issues can lead to that exception: [BadNothingToDo](#) and [BadTooManyOperations](#).

Remarks

Known results for the **commands** specified are:

Status	Description
BadNodeIdInvalid	For more details see BadNodeIdInvalid .
BadNodeIdUnknown	For more details see BadNodeIdUnknown .
BadNothingToDo	This code indicates that the relativePath contained an empty list.
BadBrowseNameInvalid	This code indicates that a TargetName was missing in a RelativePath.
UncertainReferenceOutOfServer	The path element has targets which are in another server.

Status	Description
BadTooManyMatches	The requested operation has too many matches to return. Users should use queries for large result sets. Servers should allow at least 10 matches before returning this error code.
BadQueryTooComplex	The requested operation requires too many resources in the server.
BadNoMatch	The requested relativePath cannot be resolved to a target to return.

TranslatePaths(OpcTranslatePath[])

Translates one or more paths starting from one or more dedicated nodes using the specified **commands**.

C#

```
OpcTranslatePathResultCollection TranslatePaths(params OpcTranslatePath[] commands)
```

Parameters

commands [OpcTranslatePath\[\]](#)

An array of [OpcTranslatePath](#) instances to process.

Returns

[OpcTranslatePathResultCollection](#)

An instance of the [OpcTranslatePathResultCollection](#) class which contains the target identifiers the paths were translated to through the **commands** specified; together with information about the outcome of each processed command.

Exceptions

[ArgumentNullException](#)

The **commands** sequence or one of its items is a null reference (Nothing in Visual Basic).

[InvalidOperationException](#)

The translate path service is currently not supported, especially using the **commands** specified.

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BadTooManyMatches	The requested operation has too many matches to return. Users should use queries for large result sets. Servers should allow at least 10 matches before returning this error code.
BadQueryTooComplex	The requested operation requires too many resources in the server.
BadNoMatch	The requested relativePath cannot be resolved to a target to return.

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