

# IOpcRegisterNodesService Members

**Namespace:** Opc.UaFx.Services

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

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

## Methods

### RegisterNodes(IEnumerable<OpcRegisterNode>)

Registers one or more nodes for optimized node access using the specified **commands**.

**C#**

```
OpcNodeIdCollection RegisterNodes(IEnumerable<OpcRegisterNode> commands)
```

#### Parameters

**commands** [IEnumerable<OpcRegisterNode>](#)

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

#### Returns

[OpcNodeIdCollection](#)

A collection of [OpcNodeId](#) instances its number and order of items matches the number and order of items in the **commands** sequence. There is for each command one entry which stores the node identifier requested by that command to use to access the node registered for optimized node access.

#### Exceptions

[ArgumentNullException](#)

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

[InvalidOperationException](#)

The register nodes 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 [BadTooManyMatches](#).

#### Remarks

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

Status	Description
<a href="#">BadNodeIdInvalid</a>	For more details see <a href="#">BadNodeIdInvalid</a> .

Servers completely reject register nodes requests if any of the node identifiers passed are structurally invalid.

## RegisterNodes(OpcRegisterNode[])

Registers one or more nodes for optimized node access using the specified **commands**.

### C#

```
OpcNodeIdCollection RegisterNodes(params OpcRegisterNode[] commands)
```

### Parameters

**commands** [OpcRegisterNode\[\]](#)

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

### Returns

[OpcNodeIdCollection](#)

A collection of [OpcNodeId](#) instances its number and order of items matches the number and order of items in the **commands** sequence. There is for each command one entry which stores the node identifier requested by that command to use to access the node registered for optimized node access.

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### Remarks

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# Table of Contents

<b>Methods</b>	1
RegisterNodes(IEnumerable<OpcRegisterNode>)	1
RegisterNodes(OpcRegisterNode[])	2

