

# IOpcAddNodesService Members

**Namespace:** Opc.UaFx.Services

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

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

## Methods

### AddNodes(IEnumerable<OpcAddNode>)

Adds one or more nodes into the address space hierarchy using the **commands** specified.

**C#**

```
OpcAddNodeResultCollection AddNodes(IEnumerable<OpcAddNode> commands)
```

#### Parameters

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

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

#### Returns

[OpcAddNodeResultCollection](#)

An instance of the [OpcAddNodeResultCollection](#) class which contains the node identifiers used or created for the nodes added 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 add node 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
<a href="#">BadParentNodeIdInvalid</a>	The parent node id does not refer to a valid node.
<a href="#">BadReferenceTypeIdInvalid</a>	For more details see <a href="#">BadReferenceTypeIdInvalid</a> .
<a href="#">BadReferenceNotAllowed</a>	The reference could not be created because it violates constraints imposed by the data model.
<a href="#">BadNodeIdRejected</a>	The requested node id is already used by another node.
<a href="#">BadNodeClassInvalid</a>	For more details see <a href="#">BadNodeClassInvalid</a> .
<a href="#">BadBrowseNameInvalid</a>	For more details see <a href="#">BadBrowseNameInvalid</a> .
<a href="#">BadBrowseNameDuplicated</a>	The browse name is not unique among nodes that share the same relationship with the parent.
<a href="#">BadNodeAttributesInvalid</a>	The node attributes are not valid for the node class.
<a href="#">BadTypeDefinitionInvalid</a>	For more details see <a href="#">BadTypeDefinitionInvalid</a> .
<a href="#">BadUserAccessDenied</a>	For more details see <a href="#">BadUserAccessDenied</a> .

## AddNodes(OpcAddNode[])

Adds one or more nodes into the address space hierarchy using the **commands** specified.

### C#

```
OpcAddNodeResultCollection AddNodes(params OpcAddNode[] commands)
```

### Parameters

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

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

### Returns

[OpcAddNodeResultCollection](#)

An instance of the [OpcAddNodeResultCollection](#) class which contains the node identifiers used or created for the nodes added 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 add node service is currently not supported, especially using the **commands** specified.

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<a href="#">BadNodeIdRejected</a>	The requested node id is already used by another node.
<a href="#">BadNodeClassInvalid</a>	For more details see <a href="#">BadNodeClassInvalid</a> .
<a href="#">BadBrowseNameInvalid</a>	For more details see <a href="#">BadBrowseNameInvalid</a> .
<a href="#">BadBrowseNameDuplicated</a>	The browse name is not unique among nodes that share the same relationship with the parent.
<a href="#">BadNodeAttributesInvalid</a>	The node attributes are not valid for the node class.
<a href="#">BadTypeDefinitionInvalid</a>	For more details see <a href="#">BadTypeDefinitionInvalid</a> .
<a href="#">BadUserAccessDenied</a>	For more details see <a href="#">BadUserAccessDenied</a> .



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