OpcNodeSetManager Members

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

Properties

ImplementNodeCallback

Gets or sets the callback used to implement the nodes of the current OpcNodeSetManager.

C#

```
public OpcImplementNodeCallback ImplementNodeCallback { get; set; }
```

Property Value

OpcImplementNodeCallback

A OpcImplementNodeCallback used to implement the nodes of the current OpcNodeSetManager. The value can also be a null reference (Nothing in Visual Basic).

Methods

Create(OpcNodeSet)

Creates a new instance of the OpcNodeSetManager using the `nodeSet` specified.

C#

```
public static OpcNodeSetManager Create(OpcNodeSet nodeSet)
```

Parameters

`nodeSet` OpcNodeSet

The OpcNodeSet to import.

Returns

OpcNodeSetManager

A new instance of the OpcNodeSetManager class which has been initialized with the `nodeSet` specified.

Exceptions

ArgumentNullException

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

Remarks

The newly created OpcNodeManager (represented by the OpcNodeSetManager returned) uses the Namespaces as its own Namespaces and imports the node information in the `nodeSet` during the creation of the address space.

Create(OpcNodeSet, IEnumerable<OpcNodeSet>)

Creates a new instance of the OpcNodeSetManager using the `nodeSet` and additionally specified `nodeSets`.

C#

```
public static OpcNodeSetManager Create(OpcNodeSet nodeSet, IEnumerable<OpcNodeSet> nodeSets)
```

Parameters

`nodeSet` OpcNodeSet

The first OpcNodeSet to import.

`nodeSets` IEnumerable<OpcNodeSet>

A sequence of subsequent OpcNodeSets to import.

Returns

OpcNodeSetManager

A new instance of the OpcNodeSetManager class which has been initialized with the `nodeSet` and additionally specified `nodeSets` sequence.

Exceptions

ArgumentNullException

The `nodeSet` or one of the items in `nodeSets` is a null reference (Nothing in Visual Basic).

Remarks

The newly created OpcNodeManager (represented by the OpcNodeSetManager returned) uses the Namespaces in `nodeSet` and `nodeSets` as its own Namespaces and imports the node information in the `nodeSet` and `nodeSets` during the creation of the address space.

Create(OpcNodeSet, OpcNodeSet[])

Creates a new instance of the OpcNodeSetManager using the `nodeSet` and additionally specified `nodeSets`.

C#

```
public static OpcNodeSetManager Create(OpcNodeSet nodeSet, params OpcNodeSet[] nodeSets)
```

Parameters

`nodeSet` OpcNodeSet

The first OpcNodeSet to import.

`nodeSets` OpcNodeSet[]

An array of subsequent OpcNodeSets to import.

Returns

OpcNodeSetManager

A new instance of the OpcNodeSetManager class which has been initialized with the `nodeSet` and additionally specified `nodeSets` array.

Exceptions

ArgumentNullException

The `nodeSet` or one of the items in `nodeSets` is a null reference (Nothing in Visual Basic).

Remarks

The newly created OpcNodeManager (represented by the OpcNodeSetManager returned) uses the Namespaces in `nodeSet` and `nodeSets` as its own Namespaces and imports the node information in the `nodeSet` and `nodeSets` during the creation of the address space.

ImplementNode(IOpcNode)

When implemented in a derived class, implements the logic required to integrate the `node` into the underlying system.

C#

```
protected override sealed void ImplementNode(IOpcNode node)
```

Parameters

`node` IOpcNode

An instance implementing the IOpcNode interface which is to be integrated into the underlying system.

Remarks

This method is called during the whole address space creation. This includes the import of nodes using ImportNodes and the creation of nodes using CreateNodes(OpcNodeReferenceCollection). Each node imported / created is passed to this method to integrate it accordingly into the underlying system.

Additionally this method is called after the startup of the server whenever a client adds another node to the address space part(s) maintained by the current OpcNodeManager.

ImportNodes()

When implemented in a derived class, offers the different OpcNodeSets which are imported prior any other nodes are created within the address space part organized by the current OpcNodeManager.

C#

```
protected override sealed IEnumerable<OpcNodeSet> ImportNodes()
```

Returns

IEnumerable<OpcNodeSet>

A sequence of OpcNodeSet instances to use to import external stored node information into the address space.

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