

OpcNominalNodeIdFactory Members

Namespace: Opc.UaFx

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

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

Constructors

OpcNominalNodeIdFactory()

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

C#

```
public OpcNominalNodeIdFactory()
```

Properties

Separator

Gets or sets the separator used to separate parent-child related node identifiers from each other.

C#

```
public char Separator { get; set; }
```

Property Value

[Char](#)

The character used to separate node identifiers from each other. The default value of this property is [DefaultSeparator](#).

Methods

Create(OpcContext)

Creates a new [OpcNodeId](#) just using the `context` specified.

C#

```
public override OpcNodeId Create(OpcContext context)
```

Parameters

context OpcContext

The OpcContext to use to generate the new OpcNodeId.

Returns

OpcNodeId

A new instance of the OpcNodeId class which defines an unique Guid node identifier within the Default namespace.

Create(OpcContext, OpcNamespace)

Creates a new OpcNodeId using the context and nodeNameSpace specified.

C#

```
public override OpcNodeId Create(OpcContext context, OpcNamespace nodeNameSpace)
```

Parameters

context OpcContext

The OpcContext to use to generate the new OpcNodeId.

nodeNameSpace OpcNamespace

The OpcNamespace to that the new OpcNodeId have to refer to. If a null reference (Nothing in Visual Basic) is specified Default is used.

Returns

OpcNodeId

A new instance of the OpcNodeId class which defines an unique Guid node identifier within the nodeNameSpace specified.

Create(OpcContext, OpcNamespace, IOpcNodeInfo)

Creates a new OpcNodeId using the context and the node for that the node identifier is used.

C#

```
public override OpcNodeId Create(OpcContext context, OpcNamespace nodeNameSpace, IOpcNodeInfo node)
```

Parameters

context OpcContext

The OpcContext to use to generate the new OpcNodeId.

nodeNameSpace OpcNamespace

The [OpcNamespace](#) to that the new [OpcNodeId](#) have to refer to. If a null reference (Nothing in Visual Basic) is specified [Default](#) is used.

[node](#) [IOpcNodeInfo](#)

An instance implementing the [IOpcNodeInfo](#) interface which represents a preview of the node for which the new node identifier is used.

Returns

[OpcNodeId](#)

A new instance of the [OpcNodeId](#) class either using only the [Name](#) or additionally the [Parent](#) of the [node](#) specified. In the last case the parent-child related node identifier is constructed using the [Id](#) of the parent thereby the child and parent parts are separated by the [Separator](#). In case there [node](#) defines is a null reference (Nothing in Visual Basic) a null reference (Nothing in Visual Basic) is returned. In case there [Name](#) of [node](#) is a null reference (Nothing in Visual Basic) or it is a null-name (see [IsNull](#)) the original node identifier is returned.

Remarks

Only in case there the [nodeNamespace](#) differs from the namespace used by the [Name](#) of the [node](#) specified and if it is not a default namespace (see [IsDefault](#)), then the [nodeNamespace](#) specified is used; otherwise the namespace used by the [Name](#).

Create(OpcContext, OpcNamespace, IOpcNodeInfo, OpcName)

Creates a new [OpcNodeId](#) using the [context](#), [node](#) and [nodeName](#) specified.

C#

```
protected virtual OpcNodeId Create(OpcContext context, OpcNamespace nodeNamespace,
IOpcNodeInfo node, OpcName nodeName)
```

Parameters

[context](#) [OpcContext](#)

The [OpcContext](#) to use to generate the new [OpcNodeId](#).

[nodeNamespace](#) [OpcNamespace](#)

The [OpcNamespace](#) to that the new [OpcNodeId](#) have to refer to. If a null reference (Nothing in Visual Basic) is specified [Default](#) is used.

[node](#) [IOpcNodeInfo](#)

An instance implementing the [IOpcNodeInfo](#) interface which represents a preview of the node for which the new node identifier is used.

[nodeName](#) [OpcName](#)

The alternative [OpcName](#) to use instead of the [Name](#) of the supplied [node](#) or a null reference (Nothing in

Visual Basic) to use the [Name](#).

Returns

[OpcNodeId](#)

A new instance of the [OpcNodeId](#) class either using only the [nodeName](#) or [Name](#) or additionally the [Parent](#) of the [node](#) specified. In the last case the parent-child related node identifier is constructed using the [Id](#) of the parent thereby the child and parent parts are separated by the [Separator](#). In case there [node](#) defined is a null reference (Nothing in Visual Basic) a null reference (Nothing in Visual Basic) is returned. In case there [nodeName](#) or [Name](#) of [node](#) is a null reference (Nothing in Visual Basic) or it is a null-name (see [IsNull](#)) the original node identifier is returned.

Remarks

Only in case there the [nodeNamespace](#) differs from the namespace used by the [nodeName](#) or [Name](#) of the [node](#) specified and if it is not a default namespace (see [IsDefault](#)), then the [nodeNamespace](#) specified is used; otherwise the namespace used by the [nodeName](#) or [Name](#).

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