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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