

# OpcObjectTypes.OpcServerType.OpcCapabilities Class

**Namespace:** Opc.UaFx

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

**C#**

```
public class OpcCapabilities : OpcNodeId, IEquatable<OpcNodeId>, IComparable, IComparable<OpcNodeId>
```

**Inheritance** [Object](#) > [OpcNodeId](#) > OpcObjectTypes.OpcServerType.OpcCapabilities

**Implements** [IEquatable<OpcNodeId>](#), [IComparable](#), [IComparable<OpcNodeId>](#)

## Fields

Name	Description
<a href="#">DefaultSeparator</a>	Defines the character which is used to separate parent-child related node identifiers from each other when constructing a parent-child related node identifier using <a href="#">Of(OpcName, OpcNodeId)</a> . (Inherited from <a href="#">OpcNodeId</a> )
<a href="#">DefaultSeparatorOfPath</a>	Defines the character which is used to separate node-component-node related node identifiers from each other when constructing a node-component-node related node identifier using <a href="#">WithPath(OpcNamePath)</a> . (Inherited from <a href="#">OpcNodeId</a> )

## Properties

Name	Description
<a href="#">OpcServerType.OpcCapabilities.AggregateFunctions</a>	
<a href="#">Factory</a>	Gets or sets the globally used <a href="#">OpcNodeIdFactory</a> to generate new instances of the <a href="#">OpcNodeId</a> class. (Inherited from <a href="#">OpcNodeId</a> )
<a href="#">IsAbsolute</a>	Gets a value indicating whether the identifier is an absolute one. (Inherited from <a href="#">OpcNodeId</a> )
<a href="#">IsNull</a>	Gets a value indicating whether the node identifier is a null identifier. (Inherited from <a href="#">OpcNodeId</a> )
<a href="#">OpcServerType.OpcCapabilities.ModellingRules</a>	
<a href="#">Namespace</a>	Gets the <a href="#">OpcNamespace</a> used by the <a href="#">OpcNodeId</a> to describe the namespace to that the node identifier belongs. (Inherited from <a href="#">OpcNodeId</a> )
<a href="#">NamespaceIndex</a>	Gets the index of the namespace that this identifier belongs. (Inherited from <a href="#">OpcNodeId</a> )

Name	Description
NamespaceUri	Gets the uniform resource identifier (URI) of the namespace referred by the <a href="#">NamespaceIndex</a> . (Inherited from <a href="#">OpcNodeId</a> )
Null	Gets the default null node identifier. (Inherited from <a href="#">OpcNodeId</a> )
OriginalFormat	Gets the original format of the node identifier from that the instance was constructed. (Inherited from <a href="#">OpcNodeId</a> )
OriginalString	Gets the original node identifier string that was passed to the <a href="#">Parse(String)</a> method. (Inherited from <a href="#">OpcNodeId</a> )
Path	Gets the path portion of the <a href="#">Value</a> which refers to the logical (= physically not available in the address space) portion of the identifier. (Inherited from <a href="#">OpcNodeId</a> )
Type	Gets the type of <a href="#">Value</a> used to define the identifier. (Inherited from <a href="#">OpcNodeId</a> )
Value	Gets the <a href="#">Type</a> dependent value of the identifier represented. (Inherited from <a href="#">OpcNodeId</a> )
ValueAsString	Gets the <a href="#">Value</a> formatted as a <a href="#">String</a> . (Inherited from <a href="#">OpcNodeId</a> )

## Methods

Name	Description
CompareTo(Object)	Compares the current <a href="#">OpcNodeId</a> with the <a href="#">other</a> . (Inherited from <a href="#">OpcNodeId</a> )
CompareTo(OpcNodeId)	Compares the current <a href="#">OpcNodeId</a> with another <a href="#">OpcNodeId</a> . (Inherited from <a href="#">OpcNodeId</a> )
Equals(Object)	Determines whether the specified <a href="#">other</a> is equal to this <a href="#">OpcNodeId</a> . (Inherited from <a href="#">OpcNodeId</a> )
Equals(OpcNodeId)	Determines whether the specified <a href="#">other</a> is equal to this <a href="#">OpcNodeId</a> . (Inherited from <a href="#">OpcNodeId</a> )
Equals(OpcNodeId, OpcNodeId)	Determines whether two specified <a href="#">OpcNodeId</a> objects are equals. (Inherited from <a href="#">OpcNodeId</a> )
Equals(OpcNodeId, OpcNodeId, OpcNodeIdComparison)	Determines whether two specified <a href="#">OpcNodeId</a> objects are equals according to a specific comparison method. (Inherited from <a href="#">OpcNodeId</a> )
Equals(OpcNodeId, OpcNodeIdComparison)	Determines whether the specified <a href="#">OpcNodeId</a> object is equals to this instance according to a specific comparison method. (Inherited from <a href="#">OpcNodeId</a> )
ExcludePath	Retrieves a new <a href="#">OpcNodeId</a> there its <a href="#">Value</a> not longer contains any <a href="#">Path</a> information. (Inherited from <a href="#">OpcNodeId</a> )
GetHashCode	Retrieves a hash code for this <a href="#">OpcNodeId</a> . (Inherited from <a href="#">OpcNodeId</a> )

Name	Description
IsNullOrEmpty(OpcNodeId)	Indicates whether the specified <b>OpcNodeId</b> is null or its <b>Value</b> is null, default or an empty string (""). (Inherited from <b>OpcNodeId</b> )
Of(OpcName)	Creates a new <b>OpcNodeId</b> instance from the <b>name</b> specified. (Inherited from <b>OpcNodeId</b> )
Of(OpcName, OpcNodeId)	Creates a new parent-child related <b>OpcNodeId</b> instance from the <b>name</b> and <b>parentNodeId</b> specified. (Inherited from <b>OpcNodeId</b> )
Of(OpcName, OpcNodeId, Char)	Creates a new parent-child related <b>OpcNodeId</b> instance from the <b>name</b> and <b>parentNodeId</b> specified. (Inherited from <b>OpcNodeId</b> )
Parse(String)	Converts a node identifier string to a <b>OpcNodeId</b> instance. (Inherited from <b>OpcNodeId</b> )
Resolve(IOpcNamespaceResolver)	Resolves this node identifier to a new node identifier its <b>Namespace</b> might be known in the context of the <b>resolver</b> object specified. (Inherited from <b>OpcNodeId</b> )
ToString	Returns a string representing the node identifier. (Inherited from <b>OpcNodeId</b> )
ToString(OpcNodeIdFormat)	Returns a string representing the node identifier in the <b>format</b> specified. (Inherited from <b>OpcNodeId</b> )
TryParse(String, OpcNodeId@)	Determines whether a string is a valid node identifier. (Inherited from <b>OpcNodeId</b> )
UriIdentifier(OpcNodeId)	Retrieves the <b>Value</b> of the <b>nodeId</b> as an <b>Uri</b> . (Inherited from <b>OpcNodeId</b> )
WithPath(OpcName)	Defines a new <b>OpcNodeId</b> using the <b>Value</b> , <b>Namespace</b> and <b>Path</b> of this <b>OpcNodeId</b> by combining this <b>Path</b> with the <b>pathElements</b> specified. (Inherited from <b>OpcNodeId</b> )
WithPath(OpcNamePath)	Defines a new <b>OpcNodeId</b> using the <b>Value</b> , <b>Namespace</b> and <b>Path</b> of this <b>OpcNodeId</b> by combining this <b>Path</b> with the <b>path</b> specified. (Inherited from <b>OpcNodeId</b> )

## Operators

Name	Description
op_Equality(OpcNodeId, OpcNodeId)	Returns a value indicating whether two instance of <b>OpcNodeId</b> are equal. (Inherited from <b>OpcNodeId</b> )
op_Explicit(Ua.ExpandedNodeId)	Converts a <b>OpcNodeId</b> to an <b>ExpandedNodeId</b> object. (Inherited from <b>OpcNodeId</b> )
op_Explicit(Ua.NodeId)	Converts a <b>OpcNodeId</b> to an <b>NodeId</b> object. (Inherited from <b>OpcNodeId</b> )
op_GreaterThan(OpcNodeId, OpcNodeId)	Determines whether the first specified <b>OpcNodeId</b> object is greater than the second specified <b>OpcNodeId</b> object. (Inherited from <b>OpcNodeId</b> )

Name	Description
op_GreaterThanOrEqual(OpcNodeId, OpcNodeId)	Determines whether the first specified <a href="#">OpcNodeId</a> object is greater than or equal to the second specified <a href="#">OpcNodeId</a> object. (Inherited from <a href="#">OpcNodeId</a> )
op_Implicit(ExpandedNodeId)~Opc.UaFx.OpcNodeId)	Converts a <a href="#">ExpandedNodeId</a> to an <a href="#">OpcNodeId</a> object. (Inherited from <a href="#">OpcNodeId</a> )
op_Implicit(UaFx.OpcNodeId)	Converts a <a href="#">Int32</a> to an <a href="#">OpcNodeId</a> object. (Inherited from <a href="#">OpcNodeId</a> )
op_Implicit(NodeId)~Opc.UaFx.OpcNodeId)	Converts a <a href="#">NodeId</a> to an <a href="#">OpcNodeId</a> object. (Inherited from <a href="#">OpcNodeId</a> )
op_Implicit(UaFx.OpcNodeId)	Converts a <a href="#">String</a> to an <a href="#">OpcNodeId</a> object. (Inherited from <a href="#">OpcNodeId</a> )
op_Inequality(OpcNodeId, OpcNodeId)	Returns a value indicating whether two instances of <a href="#">OpcNodeId</a> are not equal. (Inherited from <a href="#">OpcNodeId</a> )
op_LessThan(OpcNodeId, OpcNodeId)	Determines whether the first specified <a href="#">OpcNodeId</a> object is less than the second specified <a href="#">OpcNodeId</a> object. (Inherited from <a href="#">OpcNodeId</a> )
op_LessThanOrEqual(OpcNodeId, OpcNodeId)	Determines whether the first specified <a href="#">OpcNodeId</a> object is less than or equal to the second <a href="#">OpcNodeId</a> object. (Inherited from <a href="#">OpcNodeId</a> )

# Table of Contents

<b>Fields</b>	1
<b>Properties</b>	1
<b>Methods</b>	2
<b>Operators</b>	3

