# 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 |
|---|---|
| DefaultSeparator | 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 Of(OpcName, OpcNodeId).<br>(Inherited from OpcNodeId) |
| DefaultSeparatorOfPath | Defines the character which is used to separate node-component-node related node identifiers form each other when constructing a node-component-node related node identifier using WithPath(OpcNamePath).<br>(Inherited from OpcNodeId) |

# Properties

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

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

# Methods

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

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

# Operators

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

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

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