

OpcEncoding Class

Namespace: Opc.UaFx

Assemblies: Opc.UaFx.Advanced.dll

Identifies how data is encoded on the wire and therefore describes in which way information is serialized or deserialized.

C#

```
public class OpcEncoding : IEquatable<OpcEncoding>
```

Inheritance [Object](#) > OpcEncoding

Implements [IEquatable<OpcEncoding>](#)

Properties

Name	Description
DefaultBinary	Gets the foundation defined encoding used by default to encode information using the binary representation (known as 'OPC UA Binary') of the information to serialize or deserialize.
DefaultXml	Gets the foundation defined encoding used by default to encode information using a XML-based serialization format (known as 'OPC UA XML') to serialize or deserialize information.
Id	Gets the identifier of the node which refers to a specific OpcEncodingType (defined by Type) used to encode information.
Namespace	Gets the namespace within the encoding has been defined. This can be the same namespace as referenced by data type dictioanries using their NamespaceUri property.
Type	Gets a value which identifies the underlying logic used to encode information.

Methods

Name	Description
All(OpcNodeId)	Retrieves for each supported OpcEncodingType a new OpcEncoding while each uses the id specified.
All(OpcNodeId, OpcNamespace)	Retrieves for each supported OpcEncodingType a new OpcEncoding while each uses the id and encodingNamespace specified.
Binary(OpcEncoding)	Selects the first OpcEncoding in encodings which defines an encoding which uses the OpcEncodingTypeBinary as the logic used to encode data.
Binary(OpcNodeId)	Retrieves a new OpcEncoding which uses the id specified to define an encoding which uses the logic used for binary data encoding.
Binary(OpcNodeId, OpcNamespace)	Retrieves a new OpcEncoding which uses the id and encodingNamespace specified to define an encoding which uses the logic used for binary data encoding.
Default(OpcEncodingType)	Retrieves the according default OpcEncoding which is used for the encodingType specified.
Equals(Object)	Determines whether the specified other is equal to this OpcEncoding .

Name	Description
<code>Equals(OpcEncoding)</code>	Determines whether the specified <code>other</code> is equal to this <code>OpcEncoding</code> .
<code>GetHashCode</code>	Retrieves a hash code for this <code>OpcEncoding</code> .
<code>GetType(String)</code>	Determines the expressed type of encoding using the information encoded in the <code>encodingName</code> specified.
<code>Of(OpcEncodingType, OpcEncoding)</code>	Selects the first <code>OpcEncoding</code> in <code>encodings</code> which defines an encoding which uses the <code>encodingType</code> specified as the logic used to encode data.
<code>ToString</code>	Returns a string representing the encoding described.
<code>Xml(OpcEncoding)</code>	Selects the first <code>OpcEncoding</code> in <code>encodings</code> which defines an encoding which uses the <code>OpcEncodingTypeXml</code> as the logic used to encode data.
<code>Xml(OpcNodeId)</code>	Retrieves a new <code>OpcEncoding</code> which uses the <code>id</code> specified to define an encoding which uses the logic used for XML data encoding.
<code>Xml(OpcNodeId, OpcNamespace)</code>	Retrieves a new <code>OpcEncoding</code> which uses the <code>id</code> and <code>encodingNamespace</code> specified to define an encoding which uses the logic used for XML data encoding.

Operators

Name	Description
<code>op_Equality(OpcEncoding, OpcEncoding)</code>	Returns a value indicating whether two instance of <code>OpcEncoding</code> are equal.
<code>op_Inequality(OpcEncoding, OpcEncoding)</code>	Returns a value indicating whether two instances of <code>OpcEncoding</code> are not equal.

Table of Contents

Properties	1
Methods	1
Operators	2

