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

Operators

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

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