

OpcArgument Class

Namespace: Opc.UaFx

Assemblies: Opc.UaFx.Advanced.dll

Describes an argument used by a method either as an input or an output argument.

C#

```
public class OpcArgument
```

Inheritance [Object](#) > OpcArgument

Constructors

Name	Description
OpcArgument(String)	Initializes a new instance of the OpcArgument class using the name of the argument to define an argument of the type Object .
OpcArgument(String, OpcDataType)	Initializes a new instance of the OpcArgument class using the name and dataType of argument to define.
OpcArgument(String, OpcDataType, Boolean)	Initializes a new instance of the OpcArgument class using the name and dataType of argument to define.
OpcArgument(String, OpcDataType, Boolean, Object, String)	Initializes a new instance of the OpcArgument class using the name , dataType , defaultValue and description of the argument to define.
OpcArgument(String, OpcDataType, Boolean, String)	Initializes a new instance of the OpcArgument class using the name , dataType and description of the argument to define.
OpcArgument(String, OpcDataType, Object, String)	Initializes a new instance of the OpcArgument class using the name , dataType , defaultValue and description of the argument to define.
OpcArgument(String, OpcDataType, String)	Initializes a new instance of the OpcArgument class using the name , dataType and description of the argument to define.
OpcArgument(String, OpcDataType, UInt32)	Initializes a new instance of the OpcArgument class using the name and dataType of argument to define.
OpcArgument(String, OpcDataType, UInt32, Object, String)	Initializes a new instance of the OpcArgument class using the name , dataType , defaultValue and description of the argument to define.
OpcArgument(String, OpcDataType, UInt32, String)	Initializes a new instance of the OpcArgument class using the name , dataType and description of the argument to define.
OpcArgument(String, OpcNodeId)	Initializes a new instance of the OpcArgument class using the name and dataTypeId of argument to define.
OpcArgument(String, OpcNodeId, Boolean)	Initializes a new instance of the OpcArgument class using the name and dataTypeId of argument to define.
OpcArgument(String, OpcNodeId, Boolean, Object, String)	Initializes a new instance of the OpcArgument class using the name , dataTypeId , defaultValue and description of the argument to define.
OpcArgument(String, OpcNodeId, Boolean, String)	Initializes a new instance of the OpcArgument class using the name , dataTypeId and description of the argument to define.
OpcArgument(String, OpcNodeId, Object, String)	Initializes a new instance of the OpcArgument class using the name , dataTypeId , defaultValue and description of the argument to define.

Name	Description
<code>OpcArgument(String, OpcNodeId, String)</code>	Initializes a new instance of the <code>OpcArgument</code> class using the <code>name</code> , <code>dataTypeId</code> and <code>description</code> of the argument to define.
<code>OpcArgument(String, OpcNodeId, UInt32)</code>	Initializes a new instance of the <code>OpcArgument</code> class using the <code>name</code> and <code>dataTypeId</code> of argument to define.
<code>OpcArgument(String, OpcNodeId, UInt32, Object, String)</code>	Initializes a new instance of the <code>OpcArgument</code> class using the <code>name</code> , <code>dataTypeId</code> , <code>defaultValue</code> and <code>description</code> of the argument to define.
<code>OpcArgument(String, OpcNodeId, UInt32, String)</code>	Initializes a new instance of the <code>OpcArgument</code> class using the <code>name</code> , <code>dataTypeId</code> and <code>description</code> of the argument to define.
<code>OpcArgument(String, Type)</code>	Initializes a new instance of the <code>OpcArgument</code> class using the <code>name</code> and <code>type</code> of argument to define.
<code>OpcArgument(String, Type, Object, String)</code>	Initializes a new instance of the <code>OpcArgument</code> class using the <code>name</code> , <code>type</code> , <code>defaultValue</code> and <code>description</code> of the argument to define.
<code>OpcArgument(String, Type, String)</code>	Initializes a new instance of the <code>OpcArgument</code> class using the <code>name</code> , <code>type</code> and <code>description</code> of the argument to define.

Properties

Name	Description
<code>ArrayDimensions</code>	Gets the length for each dimension of an array value of the argument represented.
<code>ArrayLength</code>	Gets the total number of elements in all the dimensions of the array value of the argument represented.
<code>ArrayRank</code>	Gets the rank (number of dimensions) of the array value of the argument represented. For example, a one-dimensional array returns 1, a two-dimensional array returns 2, and so on.
<code>DataType</code>	Gets the underlying built-in data type used by the argument.
<code>DataTypeId</code>	Gets the node identifier of the data type node identifying the type of argument.
<code>DefaultValue</code>	Gets the value of the argument that is by default used in case there is no custom value specified for the argument.
<code>Description</code>	Gets the textual description of the use of the argument represented.
<code>Descriptions</code>	Gets the <code>OpcArgumentGlobalization</code> instance used to control the localization and other globalization related tasks for the <code>Description</code> of the current attribute.
<code>IsArray</code>	Gets a value indicating whether the value of the argument represented is an array.
<code>Name</code>	Gets the name of the argument.

Methods

Name	Description
<code>GetArrayLength(Int32)</code>	Gets a 32-bit integer that represents the number of elements in the specified dimension of the array value of the argument.
<code>GetArrayLowerBound(Int32)</code>	Gets the index of the first element of the specified dimension in the array value of the argument.
<code>GetArrayUpperBound(Int32)</code>	Gets the index of the last element of the specified dimension in the array value of the argument.

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