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
OpcArgument(String, OpcNodeId, String)	Initializes a new instance of the OpcArgument class using the `name`, `dataTypeId` and `description` of the argument to define.
OpcArgument(String, OpcNodeId, UInt32)	Initializes a new instance of the OpcArgument class using the `name` and `dataTypeId` of argument to define.
OpcArgument(String, OpcNodeId, UInt32, 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, UInt32, String)	Initializes a new instance of the OpcArgument class using the `name`, `dataTypeId` and `description` of the argument to define.
OpcArgument(String, Type)	Initializes a new instance of the OpcArgument class using the `name` and `type` of argument to define.
OpcArgument(String, Type, Object, String)	Initializes a new instance of the OpcArgument class using the `name`, `type`, `defaultValue` and `description` of the argument to define.
OpcArgument(String, Type, String)	Initializes a new instance of the OpcArgument class using the `name`, `type` and `description` of the argument to define.

Properties

Name	Description
ArrayDimensions	Gets the length for each dimension of an array value of the argument represented.
ArrayLength	Gets the total number of elements in all the dimensions of the array value of the argument represented.
ArrayRank	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.
DataType	Gets the underlying built-in data type used by the argument.
DataTypeId	Gets the node identifier of the data type node identifying the type of argument.
DefaultValue	Gets the value of the argument that is by default used in case there is no custom value specified for the argument.
Description	Gets the textual description of the use of the argument represented.
Descriptions	Gets the OpcArgumentGlobalization instance used to control the localization and other globalization related tasks for the Description of the current attribute.
IsArray	Gets a value indicating whether the value of the argument represented is an array.
Name	Gets the name of the argument.

Methods

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

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