

PlcValueMember Members

Namespace: IPS7Lnk.Advanced

Assemblies: IPS7LnkNet.Advanced.dll, IPS7LnkNet.Advanced.dll

The [PlcValueMember](#) type exposes the following members.

Constructors

PlcValueMember(PlcName, IPlcValue)

Initializes a new instance of the [PlcValueMember](#) class using the [name](#) and [value](#) specified.

C#

```
public PlcValueMember(PlcName name, IPlcValue value)
```

Parameters

[name](#) [PlcName](#)

The name of the member.

[value](#) [IPlcValue](#)

The [IPlcValue](#) to be represented.

Exceptions

[ArgumentNullException](#)

The [name](#) or [value](#) is a null reference (Nothing in Visual Basic).

Properties

Value

Gets the value represented by the member.

C#

```
public IPlcValue Value { get; }
```

Property Value

[IPlcValue](#)

The [IPlcValue](#) represented by the member.

Methods

GetValueCore(PlcObject)

Retrieves the value of the member supported by the given **instance**.

C#

```
protected override object GetValueCore(PlcObject instance)
```

Parameters

instance [PlcObject](#)

The [PlcObject](#) from that the value of the member is to be retrieved.

Returns

[Object](#)

The value of the member supported by the **instance**.

HasValueCore(PlcObject)

Retrieves a value indicating whether the member supported by the given **instance** is associated with a value.

C#

```
protected override bool HasValueCore(PlcObject instance)
```

Parameters

instance [PlcObject](#)

The [PlcObject](#) its member value is to be tested.

Returns

[Boolean](#)

The value true, if a value is associated with the instance using this member; otherwise the value false.

MakeAbsoluteMember(PlcIdentity)

Retrieves the [PlcValueMember](#) as an absolute addressable PLC member.

C#

```
public override IPlcMemberInfo MakeAbsoluteMember(PlcIdentity identity)
```

Parameters

identity [PlcIdentity](#)

The [PlcIdentity](#) to use to define the absolute location. This identity is used to define the basis starting from that the member is located.

Returns

[IPlcMemberInfo](#)

In case there [IsAbsolute](#) is equals true the reference to this member; otherwise a new instance of the member which refers to an absolute [PlcType](#).

Exceptions

[ArgumentException](#)

The **identity** specified does not provide the necessary information required to address the type of data.

[ArgumentNullException](#)

The **identity** is a null reference (Nothing in Visual Basic).

RelocateCore(PlcAddress)

Relocates the member to the **address** specified.

C#

```
protected override PlcMember RelocateCore(PlcAddress address)
```

Parameters

address [PlcAddress](#)

The [PlcAddress](#) to that the member is to be relocated.

Returns

[PlcMember](#)

A new instance of the same type as this PLC member instance relocated to the **address** specified.

SetValueCore(PlcObject, Object)

Stores the **value** of the member supported by the given **instance**.

C#

```
protected override void SetValueCore(PlcObject instance, object value)
```

Parameters

instance [PlcObject](#)

The [PlcObject](#) into that the value of the member is to be stored.

value [Object](#)

The value to store.

ToString()

Returns a string that represents the [PlcValueMember](#).

C#

```
public override string ToString()
```

Returns

[String](#)

A string that represents the [PlcValueMember](#).

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