

# PlcObjectNode Members

**Namespace:** IPS7Lnk.Advanced

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

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

## Constructors

### PlcObjectNode(PlcObject)

Initializes a new instance of the [PlcObjectNode](#) class using the specified [instance](#).

**C#**

```
public PlcObjectNode(PlcObject instance)
```

#### Parameters

[instance](#) [PlcObject](#)

The [PlcObject](#) its data is represented.

#### Exceptions

[ArgumentNullException](#)

The [instance](#) is a null reference (Nothing in Visual Basic).

## Properties

### Instance

Gets the [PlcObject](#) instance to that the data node does belong.

**C#**

```
public PlcObject Instance { get; }
```

#### Property Value

[PlcObject](#)

An instance of the [PlcObject](#) class.

# Type

Gets the [PlcType](#) of the data represented by the node.

**C#**

```
public override PlcType Type { get; }
```

## Property Value

[PlcType](#)

A [PlcType](#) instance.

# Value

Gets or sets the value associated with the [Type](#).

**C#**

```
public override object Value { get; set; }
```

## Property Value

[Object](#)

The value of the node.

# Methods

## CreateMemberNodes(PlcObject)

Creates for each [PlcMember](#) in [Members](#) the according child node.

**C#**

```
protected virtual void CreateMemberNodes(PlcObject instance)
```

## Parameters

**instance** [PlcObject](#)

The [PlcObject](#) its members have to be transformed into nodes.

## Exceptions

[ArgumentNullException](#)

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

# CreateNode(PlcObject, PlcMember)

Creates a new [PlcDataNode](#) which refers to a [PlcObject](#) specific [PlcMember](#).

## C#

```
protected virtual PlcDataNode CreateNode(PlcObject instance, PlcMember member)
```

## Parameters

[instance](#) [PlcObject](#)

The [PlcObject](#) for its [PlcMember](#) the node is to be created.

[member](#) [PlcMember](#)

The [PlcMember](#) for that the node is to be created.

## Returns

[PlcDataNode](#)

A new [PlcDataNode](#) representing the access layer for the [PlcMember](#) specified by [member](#).

## Exceptions

[ArgumentNullException](#)

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



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