

VirtualDevice Class

Namespace: IPS7Lnk.Advanced
Assemblies: IPS7LnkNet.Advanced.dll

Represents a single virtual programmable logic controller (PLC).

C#

public class VirtualDevice : PlcDevice, IPlcDevice

Inheritance Object > PlcDevice > VirtualDevice

Implements IPIcDevice

Remarks

This type of device does provide the same mechanism provided by each PlcDevice but does support to test application and library implementations without the need of an physical PLC device.

Constructors

Name	Description
	Initializes a new instance of the VirtualDevice class.
VirtualDevice(PlcDeviceEndPoint)	Initializes a new instance of the VirtualDevice class using the specified endPoint.

Properties

Name	Description
BIOCKS	Gets a collection of PlcBlockInfo objects associated with the device. (Inherited from PlcDevice)
EndPoint	Gets or sets the PlcDeviceEndPoint of the PLC device. (Inherited from PlcDevice)
Mama	Gets or sets the name of the device. (Inherited from PlcDevice)
ILIMIACIE	Gets a collection of PlcObject objects associated with the device. (Inherited from PlcDevice)
Types	Gets a collection of PlcType objects associated with the device. (Inherited from PlcDevice)
IVAIIIAC	Gets a collection of IPIcValue objects associated with the device. (Inherited from PIcDevice)

Methods



Name	Description		
CreateConnection	Creates a new instance of an object implementing the PlcDeviceConnection class which is associated with the device. (Inherited from PlcDevice)		
CreateConnection(Boolean)	Creates a new instance of an object implementing the PlcDeviceConnection class which is associated with the device, if createNew is equals to the value true. (Inherited from PlcDevice)		
CreateConnectionCore	Creates a new instance of an object which is an instance of the VirtualDeviceConnection class which is associated with the PlcDevice.		
CreateConnectionCore	When implemented in a derived class, creates a new instance of an object which is an instance of the PlcDeviceConnection class which is associated with the PlcDevice. (Inherited from PlcDevice)		
GetBlock(PlcOperand)	Retrieves the block information for the PLC block accessible by the operand specified. (Inherited from PlcDevice)		
GetBlockCore(PlcOperand)	Retrieves the block information for the PLC block accessible by the operand specified.		
GetBlockCore(PlcOperand)	When implemented in a derived class, retrieves the block information for the PLC block accessible by the operand specified. (Inherited from PlcDevice)		
GetBlocks	Retrieves all so far known block information which has been determined by either discovering a block using GetBlock(PlcOperand). (Inherited from PlcDevice)		
GetInfo	Retrieves an instance of an object implementing the IPIcDeviceInfo interface which provides additional metadata about the device.		
GetInfo	When implemented in a derived class, retrieves an instance of an object implementing the IPIcDeviceInfo interface which provides additional metadata about the device. (Inherited from PIcDevice)		
ToString	Returns a string that represents the current VirtualDevice.		
ToString	Returns a string that represents the current PlcDevice. (Inherited from PlcDevice)		



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