

VirtualDevice Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

VirtualDevice()

Initializes a new instance of the [VirtualDevice](#) class.

C#

```
public VirtualDevice()
```

VirtualDevice(PlcDeviceEndPoint)

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

C#

```
public VirtualDevice(PlcDeviceEndPoint endPoint)
```

Parameters

[endPoint](#) [PlcDeviceEndPoint](#)

The [PlcDeviceEndPoint](#) which identifies the network address of the device.

Exceptions

[ArgumentNullException](#)

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

Methods

CreateConnectionCore()

Creates a new instance of an object which is an instance of the [VirtualDeviceConnection](#) class which is associated with the [PlcDevice](#).

C#

```
protected override PlcDeviceConnection CreateConnectionCore()
```

Returns

PlcDeviceConnection

An instance of an object which is an instance of the [VirtualDeviceConnection](#) class and is associated with the [VirtualDevice](#).

GetBlockCore(PlcOperand)

Retrieves the block information for the PLC block accessible by the **operand** specified.

C#

```
protected override PlcBlockInfo GetBlockCore(PlcOperand operand)
```

Parameters

operand [PlcOperand](#)

The [PlcOperand](#) for that the according block information is to be retrieved.

Returns

PlcBlockInfo

An instance of the [VirtualBlockInfo](#) class containing the information of the block requested.

GetInfo()

Retrieves an instance of an object implementing the [IPlcDeviceInfo](#) interface which provides additional metadata about the device.

C#

```
public override IPlcDeviceInfo GetInfo()
```

Returns

IPlcDeviceInfo

An instance implementing the [IPlcDeviceInfo](#) interface which provides additional metadata about the device.

ToString()

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

C#

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

Returns

String

A string that represents the current [VirtualDevice](#).

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