IPlcRelocatable Members

Namespace: IPS7Lnk.Advanced
Assemblies: IPS7LnkNet.Advanced.dll, IPS7LnkNet.Advanced.dll
The IPlcRelocatable interface defines the following members.

Methods

Relocate(Int32)

Relocates the IPlcRelocatable using the specified offset.

C#

```
IPlcRelocatable Relocate(int operandNumber)
```

Parameters

`operandNumber` Int32

The operand number offset used to adjust the PlcAddress information.

Returns

IPlcRelocatable

A new instance of the IPlcRelocatable configured with the same metadata as this instance but relocated using the specified offset.

Exceptions

ArgumentOutOfRangeException

The offset specified by `operandNumber` result into a new value that would be out of the bounds defined by MinOperandNumber or MaxOperandNumber.

InvalidOperationException

It is not possible to relocate relative types.

Relocate(Int32, Int32)

Relocates the IPlcRelocatable using the specified offset.

C#

```
IPlcRelocatable Relocate(int operandNumber, int byteNumber)
```

Parameters

`operandNumber` Int32

The operand number offset used to adjust the PlcAddress information.

`byteNumber` Int32

The byte number offset used to adjust the PlcAddress information.

Returns

IPlcRelocatable

A new instance of the IPlcRelocatable configured with the same metadata as this instance but relocated using the specified offset.

Exceptions

ArgumentOutOfRangeException

One of the offsets specified by `operandNumber` or `byteNumber` result into a new value that would be out of the bounds defined by MinOperandNumber, MaxOperandNumber, MinByteNumber and MaxByteNumber.

InvalidOperationException

It is not possible to relocate relative types.

Relocate(Int32, Int32, Int32)

Relocates the IPlcRelocatable using the specified offset.

C#

```
IPlcRelocatable Relocate(int operandNumber, int byteNumber, int bitNumber)
```

Parameters

`operandNumber` Int32

The operand number offset used to adjust the PlcAddress information.

`byteNumber` Int32

The byte number offset used to adjust the PlcAddress information.

`bitNumber` Int32

The bit number offset used to adjust the PlcAddress information.

Returns

IPlcRelocatable

A new instance of the IPlcRelocatable configured with the same metadata as this instance but relocated

using the specified offset.

Exceptions

ArgumentOutOfRangeException

One of the offsets specified by `operandNumber`, `byteNumber` or `bitNumber` result into a new value that would be out of the bounds defined by MinOperandNumber, MaxOperandNumber, MinByteNumber, MaxByteNumber, MinBitNumber or MaxBitNumber.

InvalidOperationException

It is not possible to relocate relative types.

Relocate(PlcAddress)

Relocates the IPlcRelocatable using the specified `address`.

C#

```
IPlcRelocatable Relocate(PlcAddress address)
```

Parameters

`address` PlcAddress

The PlcAddress to that the object is to be relocated.

Returns

IPlcRelocatable

A new instance of the IPlcRelocatable configured with the same metadata as this instance but relocated using the specified `address`.

Exceptions

ArgumentNullException

The `address` is a null reference (Nothing in Visual Basic).

ArgumentException

The `address` does not refer to the same RawType as this IPlcRelocatable.

InvalidOperationException

It is not possible to relocate absolute object types without relative type information.

Remarks

The RawType of the `address` specified needs to be the same as defined by this IPlcRelocatable.

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