

PlcIdentity Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

PlcIdentity()

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

C#

```
protected PlcIdentity()
```

Methods

CompareTo(Object)

Compares the current [PlcIdentity](#) with the [other](#).

C#

```
public abstract int CompareTo(object other)
```

Parameters

[other](#) [Object](#)

The [PlcIdentity](#) to compare with this [PlcIdentity](#).

Returns

[Int32](#)

A 32-bit signed integer that indicates the relative order of the objects being compared ([CompareTo\(Object\)](#)).

Equals(Object)

Determines whether the specified [other](#) is equal to this [PlcIdentity](#).

C#

```
public abstract override bool Equals(object other)
```

Parameters

other Object

The [PlcIdentity](#) to compare to the current [PlcIdentity](#).

Returns

Boolean

The value true if the specified [PlcIdentity](#) is equal to the current [PlcIdentity](#); otherwise the value false.

GetHashCode()

Retrieves a hash code for this [PlcIdentity](#).

C#

```
public abstract override int GetHashCode()
```

Returns

Int32

An [Int32](#) that contains the hash code for the [PlcIdentity](#).

GetObjectData(SerializationInfo, StreamingContext)

Sets the [Serialization.SerializationInfo](#) with information about the exception.

C#

```
[SecurityPermission(SecurityAction.LinkDemand, Flags =  
SecurityPermissionFlag.SerializationFormatter)]  
public abstract void GetObjectData(SerializationInfo info, StreamingContext context)
```

Parameters

info [Serialization.SerializationInfo](#)

The [Serialization.SerializationInfo](#) that holds the serialized object data about the exception being thrown.

context [Serialization.StreamingContext](#)

The [Serialization.StreamingContext](#) that contains contextual information about the source or destination.

Exceptions

[ArgumentNullException](#)

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

ToString()

Converts the name to its string representation.

C#

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

Returns

String

A string that contains the name.

Operators

Equality(PlcIdentity, PlcIdentity)

Returns a value indicating whether two instance of [PlcIdentity](#) are equal.

C#

```
public static bool operator ==(PlcIdentity left, PlcIdentity right)
```

GreaterThan(PlcIdentity, PlcIdentity)

Determines whether the first specified [PlcIdentity](#) object is greater than the second specified [PlcIdentity](#) object.

C#

```
public static bool operator >(PlcIdentity left, PlcIdentity right)
```

GreaterThanOrEqual(PlcIdentity, PlcIdentity)

Determines whether the first specified [PlcIdentity](#) object is greater than or equal to the second specified [PlcIdentity](#) object.

C#

```
public static bool operator >=(PlcIdentity left, PlcIdentity right)
```

Implicit(String to PlcIdentity)

Converts a string formatted as name to an [PlcIdentity](#) object.

C#

```
public static implicit operator PlcIdentity(string value)
```

Exceptions

FormatException

The **value** is not a valid PLC identity.

Inequality(PlcIdentity, PlcIdentity)

Returns a value indicating whether two instances of **PlcIdentity** are not equal.

C#

```
public static bool operator !=(PlcIdentity left, PlcIdentity right)
```

LessThan(PlcIdentity, PlcIdentity)

Determines whether the first specified **PlcIdentity** object is less than the second specified **PlcIdentity** object.

C#

```
public static bool operator <(PlcIdentity left, PlcIdentity right)
```

Exceptions

ArgumentNullException

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

LessThanOrEqual(PlcIdentity, PlcIdentity)

Determines whether the first specified **PlcIdentity** object is less than or equal to the second **PlcIdentity** object.

C#

```
public static bool operator <=(PlcIdentity left, PlcIdentity right)
```

Exceptions

ArgumentNullException

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

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