

PlcName Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

PlcName(SerializationInfo, StreamingContext)

Initializes a new instance of the [PlcName](#) class with serialized data.

C#

```
protected PlcName(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 null reference (Nothing in Visual Basic).

[Serialization.SerializationException](#)

The class name is null reference (Nothing in Visual Basic) or [HResult](#) is zero (0).

Properties

Value

Gets the value of the name.

C#

```
public string Value { get; }
```

Property Value

[String](#)

A [String](#) value which identifies the name represented.

Methods

CompareTo(Object)

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

C#

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

Parameters

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

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

Returns

[Int32](#)

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

CompareTo(PlcName)

Compares the current [PlcName](#) with another [PlcName](#).

C#

```
public int CompareTo(PlcName other)
```

Parameters

[other](#) [PlcName](#)

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

Returns

[Int32](#)

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

Equals(Object)

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

C#

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

Parameters

other Object

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

Returns

[Boolean](#)

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

Equals(PlcName)

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

C#

```
public bool Equals(PlcName other)
```

Parameters

other [PlcName](#)

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

Returns

[Boolean](#)

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

GetHashCode()

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

C#

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

Returns

[Int32](#)

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

GetObjectData(SerializationInfo, StreamingContext)

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

C#

```
[SecurityPermission(SecurityAction.LinkDemand, Flags =
SecurityPermissionFlag.SerializationFormatter)]
public override 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).

Parse(String)

Converts a name string to a [PlcName](#) instance.

C#

```
public static PlcName Parse(string value)
```

Parameters

value [String](#)

A string that contains the name.

Returns

[PlcName](#)

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

Exceptions

[FormatException](#)

The **value** is not a valid name.

ToString()

Converts the name to its string representation.

C#

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

Returns

String

A string that contains the name.

TryParse(String, out PlcName)

Determines whether a string is a valid name.

C#

```
public static bool TryParse(string value, out PlcName name)
```

Parameters

value String

The string to validate.

name PlcName

The PlcName version of the string.

Returns

Boolean

The value true, if value is a valid name; otherwise the value false.

Operators

Equality(PlcName, PlcName)

Returns a value indicating whether two instance of PlcName are equal.

C#

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

GreaterThan(PlcName, PlcName)

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

C#

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

GreaterThanOrEqual(PlcName, PlcName)

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

C#

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

Implicit(String to PlcName)

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

C#

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

Exceptions

[FormatException](#)

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

Inequality(PlcName, PlcName)

Returns a value indicating whether two instances of [PlcName](#) are not equal.

C#

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

LessThan(PlcName, PlcName)

Determines whether the first specified [PlcName](#) object is less than the second specified [PlcName](#) object.

C#

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

Exceptions

ArgumentNullException

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

LessThanOrEqual(PlcName, PlcName)

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

C#

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

Exceptions

ArgumentNullException

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

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