

PlcException Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

PlcException()

Initializes a new instance of the [PlcException](#) class with default properties.

C#

```
public PlcException()
```

PlcException(PlcStatusCode)

Initializes a new instance of the [PlcException](#) class with the specified [code](#).

C#

```
public PlcException(PlcStatusCode code)
```

Parameters

[code](#) [PlcStatusCode](#)

The [PlcStatusCode](#) upon its value the according [Message](#) is used for the new instance of the [PlcException](#) class.

PlcException(PlcStatusCode, Int32)

Initializes a new instance of the [PlcException](#) class with the specified [code](#) and [socketCode](#).

C#

```
public PlcException(PlcStatusCode code, int socketCode)
```

Parameters

[code](#) [PlcStatusCode](#)

The [PlcStatusCode](#) upon its value the according [Message](#) is used for the new instance of the [PlcException](#) class.

[socketCode](#) [Int32](#)

The optional socket error code which is embedded into the exception message if [code](#) does refer to an

exception based on a socket error.

PlcException(PlcStatusCode, Int32, Exception)

Initializes a new instance of the [PlcException](#) class with the specified `code`, `socketCode` and `inner` exception.

C#

```
public PlcException(PlcStatusCode code, int socketCode, Exception inner)
```

Parameters

`code` [PlcStatusCode](#)

The [PlcStatusCode](#) upon its value the according [Message](#) is used for the new instance of the [PlcException](#) class.

`socketCode` [Int32](#)

The optional socket error code which is embedded into the exception message if `code` does refer to an exception based on a socket error.

`inner` [Exception](#)

The exception that is the cause of the current exception. If the inner parameter is not null (Nothing in Visual Basic), the current exception is raised in a catch block that handles the inner exception.

PlcException(PlcStatusCode, Int32, Exception, PlcType)

Initializes a new instance of the [PlcException](#) class with the specified `code`, `socketCode`, `inner` exception and the `type` affected.

C#

```
public PlcException(PlcStatusCode code, int socketCode, Exception inner, PlcType type)
```

Parameters

`code` [PlcStatusCode](#)

The [PlcStatusCode](#) upon its value the according [Message](#) is used for the new instance of the [PlcException](#) class.

`socketCode` [Int32](#)

The optional socket error code which is embedded into the exception message if `code` does refer to an exception based on a socket error.

`inner` [Exception](#)

The exception that is the cause of the current exception. If the inner parameter is not null (Nothing in Visual Basic), the current exception is raised in a catch block that handles the inner exception.

`type` [PlcType](#)

The [PlcType](#) which was in operation while the new current exception was produced or a null reference (Nothing in Visual Basic) in case there was no specific [PlcType](#) in operation while the current exception was produced. The misleading type information of the type can be also the reason.

PlcException(SerializationInfo, StreamingContext)

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

C#

```
protected PlcException(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

Code

Gets the according [PlcStatusCode](#) for the [ErrorCode](#).

C#

```
public PlcStatusCode Code { get; }
```

Property Value

[PlcStatusCode](#)

One of the members defined by the [PlcStatusCode](#) enumeration.

ErrorCode

Gets the error code of the [PlcException](#).

C#

```
public int ErrorCode { get; }
```

Property Value

[Int32](#)

The error code of the [PlcException](#).

SocketCode

Gets the error code of the recent performed socket operation if [ErrorCode](#) does refer to an error based on a socket operation.

C#

```
public int SocketCode { get; }
```

Property Value

[Int32](#)

The socket error code of the recent performed socket operation.

Type

Gets the [PlcType](#) which was in operation while the new current exception was produced. The misleading type information of the type can be also the reason.

C#

```
public PlcType Type { get; }
```

Property Value

[PlcType](#)

An instance of the [PlcType](#) class or a null reference (Nothing in Visual Basic) in case there was no specific [PlcType](#) in operation while the current exception was produced.

Methods

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).

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