RFC 1006 Lib .NET Advanced

RFC 1006 Client and Server development made easy



Successful with only a few lines of code

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Features

Requirements

.NET Runtime

• .NET Framework 4.6 or higher, or a .NET Standard 2.0 compatible runtime like .NET Core/.NET 5

Languages

- C#
- VB.NET

Class Library

RFC 1006 Lib .NET Advanced Class Library

Here you find the documentation for the API of the RFC 1006 Framework:

• Online Manual: RFC 1006 Lib .NET Advanced Class Library

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¹⁾ Your "License Code" turns the package into a productive full version.

- Rfc1006LibNet.Advanced Namespace
 - Licenser Class
 - Rfc1006Base Class
 - Rfc1006Client Class
 - Rfc1006IPEndPoint Class
 - Rfc1006Server Class
 - Rfc1006Status Enumeration
- Rfc1006LibNet.Advanced.EventArgs Namespace
 - ConnectionEventArgs Class
 - StatusChangedEventArgs Class
 - TimeoutEventArgs Class
 - TransferEventArgs Class

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Licenser Class

Defines mechanism required to register the component.

Inheritance Hierarchy

System.Object

Rfc1006LibNet.Advanced.Licenser

Namespace: Rfc1006LibNet.Advanced

Assembly: Rfc1006LibNet.Advanced (in Rfc1006LibNet.Advanced.dll) Version: 1.0.2.0 (1.0.5.3)

Syntax

C#

public static class Licenser

The **Licenser** type exposes the following members.

Properties

Name Description		Description	
	××	LicenseKey	Gets or sets the license key used to license this product.

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Remarks

It is recommended to set the LicenseKey in the main entry point of the application. If there is no entry point available set the LicenseKey property before the first use of the assembly.

See Also

Reference

Rfc1006LibNet.Advanced Namespace

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Rfc1006Base Class

Provides a generic interface to communicate via RFC1006.

Inheritance Hierarchy

System.Object

Rfc1006LibNet.Advanced.Rfc1006Base

Rfc1006LibNet.Advanced.Rfc1006Client Rfc1006LibNet.Advanced.Rfc1006Server

Namespace: Rfc1006LibNet.Advanced

Assembly: Rfc1006LibNet.Advanced (in Rfc1006LibNet.Advanced.dll) Version: 1.0.2.0 (1.0.5.3)

Syntax

C#

public abstract class Rfc1006Base : IDisposable

The **Rfc1006Base** type exposes the following members.

Constructors

	Name Description	
×	Rfc1006Base	Initializes a new instance of the Rfc1006Base class.

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Methods

	Name	Description
×	CloseSocket	CLoses the Socket
×	Connect()	Wait onto connection to remote.
×	Connect(Int32)	Waits until a communication is connected or the <i>timeout</i> exceeded.
×	Dispose()	Releases all resources used by the Rfc1006Base class.
×	Dispose(Boolean)	Releases the unmanaged resources used by the Rfc1006Base class and optionally releases the managed resources.
×	Finalize	Finalizes an instance of the Rfc1006Base class class. (Overrides Object.Finalize().)
x x	NewId	Allocates a new id for the server or client.
×	OnConnected	Raises the Connected event using the specified event data.
×	OnConnecting	Raises the Connecting event using the specified event data.

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	Name	Description
×	OnReceived	Raises the Received event using the specified event data.
×	OnReceiving	Raises the Receiving event using the specified event data.
×	OnTimeout	Raises the Timeout event using the specified event data.
×	OnTransmitted	Raises the Transmitted event using the specified event data.
×	OnTransmitting	Raises the Transmitting event using the specified event data.
×	Receive	Reads a byte from the RFC1006 communication send by the opposite service.
×	ReceiveString	Reads a Rfc1006Packet from the RFC1006 communication send by the opposite service.
×	SetKeepAlive	Sets the keep alive time using the specified <i>aliveTime</i> and information.
×	SetStatus(Rfc1006Status, Rfc1006Base)	Sets the status of the connection using the specified <i>value</i> , <i>sender</i> information.
×	SetStatus(Rfc1006Status, Rfc1006Base, Exception)	Sets the status of the connection using the specified <i>value</i> , <i>sender</i> and <i>exception</i> information.
×	Start	Starts the communication.
×	Stop	Stops the communication.
×	ToString	Returns a string that represents the current object. (Overrides Object.ToString().)
×	Transmit(Byte[])	Writes the length of <i>buffer</i> Bytes to the RFC1006 communication.
×	Transmit(String)	Writes the length of <i>buffer</i> Bytes to the RFC1006 communication.
×	Transmit(Byte[], Int32)	Writes length Bytes to the RFC1006 communication.
×	Transmit(Byte[], Int32, Int32)	Writes length Bytes to the RFC1006 communication.

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Fields

	Name	Description
AliveInterval Stores the interval in milliseconds when the broadcast.		Stores the interval in milliseconds when the client will send a type of broadcast.
××	DefaultAliveTime	Stores the default value of the alive time.
××	DefaultReceiveTimeout	Stores the default value of ReceiveTimeout
××	DefaultTransmitTimeout	Stores the default value of TransmitTimeout
××	TextEncoding	Stores the value of Encoding used when transmitting or receiving strings and for encoding TSAP values.

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Properties

Name Description	
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	Name	Description
×	AliveTime	Gets or sets the time in milliseconds when the server will disconnect if the client is not responding
×	AutoReceive	Gets or sets a value indicating whether the receiving thread is turned on or off.
×	EndPoint Gets or sets a network endpoint as an IP address, port number, remote TSAP and local TSAP.	
×	FastAcknowlege	FastAcknowlege If partner is sending small packages in short intervals. This makes the TCP-traffic faster V 1.0.3.0
×	Localld	Gets or sets the local ID of the RFC1006 communication.
×	ReceiveTimeout	Gets or sets the time in milliseconds when the service will cancel the receive.
×	Remoteld	Gets or sets the remote ID of the RFC1006 communication.
×	Socket	Gets or sets the socket of the RFC1006 communication.
×	Status	Gets the status of the connection.
×	TransmitTimeout	Gets or sets the time in milliseconds when the service will cancel the transmit.

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Events

	Name	Description
×	Connected	Occurs before the connection.
×	Connecting	Occurs after the connection.
×	Received	Occurs after a receive.
×	Receiving	Occurs before a receive.
×	StatusChanged	Occurs if something gone wrong during a transfer.
×	Timeout	Occurs when a timeout is appeared.
×	Transmitted	Occurs after a transmit.
×	Transmitting	Occurs before a transmit.

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See Also

Reference

Rfc1006LibNet.Advanced Namespace

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Rfc1006Client Class

Defines an implementation of the Rfc1006Base class to provide a generic interface to communicate via RFC1006 from a client perspective with any RFC1006 server.

Inheritance Hierarchy

System.Object

Rfc1006LibNet.Advanced.Rfc1006Base

Rfc1006LibNet.Advanced.Rfc1006Client

Namespace: Rfc1006LibNet.Advanced

Assembly: Rfc1006LibNet.Advanced (in Rfc1006LibNet.Advanced.dll) Version: 1.0.2.0 (1.0.5.3)

Syntax

C#

public class Rfc1006Client : Rfc1006Base

The **Rfc1006Client** type exposes the following members.

Constructors

	Name	Description
×	Rfc1006Client(Rfc1006IPEndPoint)	Initializes a new instance of the Rfc1006Client class using the specified <i>endPoint</i> information.
×	Rfc1006Client(Int32, Rfc1006IPEndPoint)	Initializes a new instance of the Rfc1006Client class using the specified <i>endPoint</i> and <i>connectionTimeout</i> information.
×	Rfc1006Client(Rfc1006IPEndPoint, Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>endPoint</i> and <i>aliveTime</i> information.
×	Rfc1006Client(Int32, Rfc1006IPEndPoint, Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>endPoint</i> , <i>connectionTimeout</i> and <i>aliveTime</i> information.
×	Rfc1006Client(IPAddress, Byte[], Byte[])	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information.
×	Rfc1006Client(IPAddress, String, String)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information.
×	Rfc1006Client(String, Byte[], Byte[])	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information.
×	Rfc1006Client(String, String, String)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information.

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	Name	Description
×	Rfc1006Client(Int32, IPAddress, Byte[], Byte[])	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>connectionTimeout</i> information.
×	Rfc1006Client(Int32, IPAddress, String, String)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>connectionTimeout</i> information.
×	Rfc1006Client(Int32, String, String, String)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>connectionTimeout</i> information.
×	Rfc1006Client(IPAddress, Byte[], Byte[], Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Client(IPAddress, Int32, Byte[], Byte[])	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information.
×	Rfc1006Client(IPAddress, Int32, String, String)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information.
×	Rfc1006Client(IPAddress, String, String, Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Client(String, Byte[], Byte[], Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Client(String, Int32, Byte[], Byte[])	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>port</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information and DefaultConnectionTimeout.
×	Rfc1006Client(String, Int32, String, String)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information.
×	Rfc1006Client(String, String, String, Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Client(Int32, IPAddress, Byte[], Byte[], Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>connectionTimeout</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Client(Int32, IPAddress, Int32, Byte[], Byte[])	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>connectionTimeout</i> information.
×	Rfc1006Client(Int32, IPAddress, Int32, String, String)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>connectionTimeout</i> information.
×	Rfc1006Client(Int32, IPAddress, String, String, Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>connectionTimeout</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Client(Int32, String, Byte[], Byte[], Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>connectionTimeout</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Client(Int32, String, Int32, Byte[], Byte[])	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>port</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>connectionTimeout</i> information and DefaultAliveTime.

	Name	Description
×	Rfc1006Client(Int32, String, Int32, String, String)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>connectionTimeout</i> information.
×	Rfc1006Client(Int32, String, String, String, Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>connectionTimeout</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Client(IPAddress, Int32, Byte[], Byte[], Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Client(IPAddress, Int32, String, String, Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Client(String, Int32, Byte[], Byte[], Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>port</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>aliveTime</i> information and DefaultAliveTime.
×	Rfc1006Client(String, Int32, String, String, Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Client(Int32, IPAddress, Int32, Byte[], Byte[], Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>connectionTimeout</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Client(Int32, IPAddress, Int32, String, String, Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>connectionTimeout</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Client(Int32, String, Int32, Byte[], Byte[], Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>port</i> , <i>remoteTSAP</i> , <i>connectionTimeout</i> , <i>localTSAP</i> and <i>aliveTime</i> information and DefaultAliveTime.
×	Rfc1006Client(Int32, String, Int32, String, String, Int32)	Initializes a new instance of the Rfc1006Client class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>connectionTimeout</i> , <i>localTSAP</i> and <i>aliveTime</i> information.

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Methods

	Name	Description
×	CloseSocket	CLoses the Socket (Inherited from Rfc1006Base.)
×	Connect()	Connects the client to the server using the specified AliveTime and ConnectionTimeout information. (Overrides Rfc1006Base.Connect().)
×	Connect(Int32)	Connects the client to the server using the specified AliveTime and ConnectionTimeout information or the <i>timeout</i> exceeded. (Overrides Rfc1006Base.Connect(Int32).)
×	Dispose()	Releases all resources used by the Rfc1006Base class. (Inherited from Rfc1006Base.)
×	Dispose(Boolean)	Releases the unmanaged resource used by the Rfc1006Client class and optionally releases the managed resource. (Overrides Rfc1006Base.Dispose(Boolean).)

	Name	Description
×	Finalize	Finalizes an instance of the Rfc1006Base class class. (Inherited from Rfc1006Base.)
×	OnConnected	Raises the Connected event using the specified event data. (Inherited from Rfc1006Base.)
×	OnConnecting	Raises the Connecting event using the specified event data. (Inherited from Rfc1006Base.)
×	OnDisconnected	Raises the Disconnected event using the specified event data.
×	OnDisconnecting	Raises the Disconnecting event using the specified event data.
×	OnReceived	Raises the Received event using the specified event data. (Inherited from Rfc1006Base.)
×	OnReceiving	Raises the Receiving event using the specified event data. (Inherited from Rfc1006Base.)
×	OnTimeout	Raises the Timeout event using the specified event data. (Inherited from Rfc1006Base.)
×	OnTransmitted	Raises the Transmitted event using the specified event data. (Inherited from Rfc1006Base.)
×	OnTransmitting	Raises the Transmitting event using the specified event data. (Inherited from Rfc1006Base.)
×	Receive	Reads a byte from the RFC1006 communication send by the opposite service. (Inherited from Rfc1006Base.)
×	ReceiveString	Reads a Rfc1006Packet from the RFC1006 communication send by the opposite service. (Inherited from Rfc1006Base.)
×	SetKeepAlive	Sets the keep alive time using the specified <i>aliveTime</i> and information. (Inherited from Rfc1006Base.)
×	SetStatus(Rfc1006Status, Rfc1006Base)	Sets the status of the connection using the specified <i>value</i> , <i>sender</i> information. (Inherited from Rfc1006Base.)
×	SetStatus(Rfc1006Status, Rfc1006Base, Exception)	Sets the status of the connection using the specified <i>value</i> , <i>sender</i> and <i>exception</i> information. (Inherited from Rfc1006Base.)
×	Start	Starts the connecting of the client to the server. (Overrides Rfc1006Base.Start().)
×	Stop	Disconnects the client from the server. (Overrides Rfc1006Base.Stop().)
×	ToString	Returns a string that represents the current object. (Inherited from Rfc1006Base.)
×	Transmit(Byte[])	Writes the length of <i>buffer</i> Bytes to the RFC1006 communication. (Inherited from Rfc1006Base.)
×	Transmit(String)	Writes the length of <i>buffer</i> Bytes to the RFC1006 communication. (Inherited from Rfc1006Base.)
×	Transmit(Byte[], Int32)	Writes <i>length</i> Bytes to the RFC1006 communication. (Inherited from Rfc1006Base.)
×	Transmit(Byte[], Int32, Int32)	Writes <i>length</i> Bytes to the RFC1006 communication. (Inherited from Rfc1006Base.)

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Fields

		Description
××	DefaultConnectionTimeout	Stores the default connection timeout in milliseconds (5s).
××	DefaultReconnectionInterval	Stores the default reconnection interval in milliseconds (1s).

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Properties

	Name	me Description	
×	AliveTime	Gets or sets the time in milliseconds when the server will disconnect if the client is not responding (Inherited from Rfc1006Base.)	
×	AutoReceive	Gets or sets a value indicating whether the receiving thread is turned on or off. (Inherited from Rfc1006Base.)	
×	AutoReconnect	Gets or sets a value indicating whether the automatic reconnection is enabled or not.	
×	ConnectionTimeout	Gets or sets the timeout of the connection in milliseconds.	
×	EndPoint	Gets or sets a network endpoint as an IP address, port number, remote TSAP and a local TSAP. (Inherited from Rfc1006Base.)	
×	FastAcknowlege	FastAcknowlege If partner is sending small packages in short intervals. This makes the TCP-traffic faster V 1.0.3.0 (Inherited from Rfc1006Base.)	
×	Localld	Gets or sets the local ID of the RFC1006 communication. (Inherited from Rfc1006Base.)	
×	ReceiveTimeout	Gets or sets the time in milliseconds when the service will cancel the receive. (Inherited from Rfc1006Base.)	
×	ReconnectionInterval	Gets or sets the reconnection interval in milliseconds.	
×	Remoteld	Gets or sets the remote ID of the RFC1006 communication. (Inherited from Rfc1006Base.)	
×	Socket	Gets or sets the socket of the RFC1006 communication. (Inherited from Rfc1006Base.)	
×	Status	Gets the status of the connection. (Inherited from Rfc1006Base.)	
×	TransmitTimeout	Gets or sets the time in milliseconds when the service will cancel the transmit. (Inherited from Rfc1006Base.)	

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Events

Name Description		Description
×	I onnoctod	Occurs before the connection. (Inherited from Rfc1006Base.)

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	Name	Description
×	Connecting	Occurs after the connection. (Inherited from Rfc1006Base.)
×	Disconnected	Occurs before the disconnection
×	Disconnecting	Occurs after the disconnection
×	Received	Occurs after a receive. (Inherited from Rfc1006Base.)
×	Receiving	Occurs before a receive. (Inherited from Rfc1006Base.)
×	StatusChanged	Occurs if something gone wrong during a transfer. (Inherited from Rfc1006Base.)
×	Timeout	Occurs when a timeout is appeared. (Inherited from Rfc1006Base.)
×	Transmitted	Occurs after a transmit. (Inherited from Rfc1006Base.)
×	Transmitting	Occurs before a transmit. (Inherited from Rfc1006Base.)

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See Also

Reference

Rfc1006LibNet.Advanced Namespace

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Rfc1006IPEndPoint Class

Represents a network endpoint as an IP address, port number, remote TSAP and a local TSAP.

Inheritance Hierarchy

System.Object System.Net.EndPoint System.Net.IPEndPoint

Rfc1006LibNet.Advanced.Rfc1006IPEndPoint

Namespace: Rfc1006LibNet.Advanced

Assembly: Rfc1006LibNet.Advanced (in Rfc1006LibNet.Advanced.dll) Version: 1.0.2.0 (1.0.5.3)

Syntax

C#

public class Rfc1006IPEndPoint : IPEndPoint

The **Rfc1006IPEndPoint** type exposes the following members.

Constructors

	Name	Description
×	Rfc1006IPEndPoint(Byte[], Byte[])	Initializes a new instance of the Rfc1006IPEndPoint class using the specified <i>remoteTSAP</i> and <i>localTSAP</i> information and the DefaultPort.
×	Rfc1006IPEndPoint(String, String)	Initializes a new instance of the Rfc1006IPEndPoint class using the specified <i>remoteTSAP</i> and <i>localTSAP</i> information and the DefaultPort.
×	Rfc1006IPEndPoint(Int32, Byte[], Byte[])	Initializes a new instance of the Rfc1006IPEndPoint class using the specified <i>port</i> , <i>localTSAP</i> and <i>remoteTSAP</i> information.
×	Rfc1006IPEndPoint(Int32, String, String)	Initializes a new instance of the Rfc1006IPEndPoint class using the specified <i>port</i> , <i>localTSAP</i> and <i>remoteTSAP</i> information.
×	Rfc1006IPEndPoint(IPAddress, Byte[], Byte[])	Initializes a new instance of the Rfc1006IPEndPoint class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information and the DefaultPort.
×	Rfc1006IPEndPoint(IPAddress, String, String)	Initializes a new instance of the Rfc1006IPEndPoint class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information and the DefaultPort.
×	Rfc1006IPEndPoint(String, Byte[], Byte[])	Initializes a new instance of the Rfc1006IPEndPoint class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information and the DefaultPort.

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	Name	Description
×	Rfc1006IPEndPoint(String, String, String)	Initializes a new instance of the Rfc1006IPEndPoint class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information and the DefaultPort.
×	Rfc1006IPEndPoint(IPAddress, Int32, Byte[], Byte[])	Initializes a new instance of the Rfc1006IPEndPoint class using the specified <i>address</i> , <i>port</i> , <i>localTSAP</i> and <i>remoteTSAP</i> information.
×	Rfc1006IPEndPoint(IPAddress, Int32, String, String)	Initializes a new instance of the Rfc1006IPEndPoint class using the specified <i>address</i> , <i>port</i> , <i>localTSAP</i> and <i>remoteTSAP</i> information.
×	Rfc1006IPEndPoint(String, Int32, Byte[], Byte[])	Initializes a new instance of the Rfc1006IPEndPoint class using the specified <i>address</i> , <i>port</i> , <i>localTSAP</i> and <i>remoteTSAP</i> information.
×	Rfc1006IPEndPoint(String, Int32, String, String)	Initializes a new instance of the Rfc1006IPEndPoint class using the specified <i>address</i> , <i>port</i> , <i>localTSAP</i> and <i>remoteTSAP</i> information.

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Methods

	Name	Description
×	ToString	Returns the IP address, port number, remote TSAP and local TSAP of the specified endpoint. (Overrides IPEndPoint.ToString().)

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Fields

	Name	Description	
××	DefaultPort	Stores the default port number associated with the address.	
××	TsapEncoding	Stores the value of Encoding used for encoding and decoding TSAP strings.	

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Properties

	Name	Description
×	LocalTSAP	Gets or sets the local TSAP of the endpoint.
×	ReceivedLocalTSAP	Gets or sets the local TSAP of the endpoint received from the partner.
×	ReceivedRemoteTSAP	Gets or sets the remote TSAP of the endpoint received from the partner.
×	RemoteTSAP	Gets or sets the remote TSAP of the endpoint.

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See Also

Reference

Rfc1006LibNet.Advanced Namespace

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Rfc1006Server Class

Defines an implementation of the Rfc1006Base class to provide a generic interface to communicate via RFC1006 from a Server perspective with any RFC1006 client.

Inheritance Hierarchy

System.Object

Rfc1006LibNet.Advanced.Rfc1006Base

Rfc1006LibNet.Advanced.Rfc1006Server

Namespace: Rfc1006LibNet.Advanced

Assembly: Rfc1006LibNet.Advanced (in Rfc1006LibNet.Advanced.dll) Version: 1.0.2.0 (1.0.5.3)

Syntax

C#

public class Rfc1006Server : Rfc1006Base

The **Rfc1006Server** type exposes the following members.

Constructors

	Name	Description
×	Rfc1006Server(Rfc1006IPEndPoint)	Initializes a new instance of the Rfc1006Server class using the specified <i>endPoint</i> information.
×	Rfc1006Server(Byte[], Byte[])	Initializes a new instance of the Rfc1006Server class using the specified <i>remoteTSAP</i> and <i>localTSAP</i> information.
×	Rfc1006Server(String, String)	Initializes a new instance of the Rfc1006Server class using the specified <i>remoteTSAP</i> and <i>localTSAP</i> information.
×	Rfc1006Server(Rfc1006IPEndPoint, Int32)	Initializes a new instance of the Rfc1006Server class using the specified <i>endPoint</i> information.
×	Rfc1006Server(Byte[], Byte[], Int32)	Initializes a new instance of the Rfc1006Server class using the specified <i>remoteTSAP</i> , and <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Server(IPAddress, Byte[], Byte[])	Initializes a new instance of the Rfc1006Server class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information.
×	Rfc1006Server(IPAddress, String, String)	Initializes a new instance of the Rfc1006Server class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information.
×	Rfc1006Server(IPEndPoint, Byte[], Byte[])	Initializes a new instance of the Rfc1006Server class using the specified <i>endPoint</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information.

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	Name	Description
×	Rfc1006Server(String, Byte[], Byte[])	Initializes a new instance of the Rfc1006Server class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information.
×	Rfc1006Server(String, String, Int32)	Initializes a new instance of the Rfc1006Server class using the specified <i>remoteTSAP</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Server(String, String, String)	Initializes a new instance of the Rfc1006Server class using the specified <i>address</i> , <i>remoteTSAP</i> and <i>localTSAP</i> information.
×	Rfc1006Server(IPAddress, Byte[], Byte[], Int32)	Initializes a new instance of the Rfc1006Server class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Server(IPAddress, String, String, Int32)	Initializes a new instance of the Rfc1006Server class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Server(IPEndPoint, Byte[], Byte[], Int32)	Initializes a new instance of the Rfc1006Server class using the specified <i>endPoint</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Server(String, Byte[], Byte[], Int32)	Initializes a new instance of the Rfc1006Server class using the specified <i>address</i> , <i>remoteTSAP</i> , <i>localTSAP</i> and <i>aliveTime</i> information.
×	Rfc1006Server(String, String, String, Int32)	Initializes a new instance of the Rfc1006Server class using the specified <i>address</i> , <i>remoteTSAPlocalTSAP</i> and <i>aliveTime</i> information.

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Methods

	Name	Description
×	CloseSocket	CLoses the Socket (Inherited from Rfc1006Base.)
×	Connect()	Waits until a client is connected. (Overrides Rfc1006Base.Connect().)
×	Connect(Int32)	Waits until a client is connected or the <i>timeout</i> exceeded. (Overrides Rfc1006Base.Connect(Int32).)
×	Dispose()	Releases all resources used by the Rfc1006Base class. (Inherited from Rfc1006Base.)
×	Dispose(Boolean)	Releases the unmanaged resources used by the Rfc1006Server class and optionally releases the managed resources. (Overrides Rfc1006Base.Dispose(Boolean).)
×	Finalize	Finalizes an instance of the Rfc1006Base class class. (Inherited from Rfc1006Base.)
×	OnConnected	Raises the Connected event using the specified event data. (Inherited from Rfc1006Base.)
×	OnConnecting	Raises the Connecting event using the specified event data. (Inherited from Rfc1006Base.)
×	OnReceived	Raises the Received event using the specified event data. (Inherited from Rfc1006Base.)

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	Name	Description
×	OnReceiving	Raises the Receiving event using the specified event data. (Inherited from Rfc1006Base.)
×	OnStarted	Raises the Started event using the specified event data.
×	OnStarting	Raises the Starting event using the specified event data.
×	OnStopped	Raises the Stopped event using the specified event data.
×	OnStopping	Raises the Stopping event using the specified event data.
×	OnTimeout	Raises the Timeout event using the specified event data. (Inherited from Rfc1006Base.)
×	OnTransmitted	Raises the Transmitted event using the specified event data. (Inherited from Rfc1006Base.)
×	OnTransmitting	Raises the Transmitting event using the specified event data. (Inherited from Rfc1006Base.)
×	Receive	Reads a byte from the RFC1006 communication send by the opposite service. (Inherited from Rfc1006Base.)
×	ReceiveString	Reads a Rfc1006Packet from the RFC1006 communication send by the opposite service. (Inherited from Rfc1006Base.)
×	SetKeepAlive	Sets the keep alive time using the specified <i>aliveTime</i> and information. (Inherited from Rfc1006Base.)
×	SetStatus(Rfc1006Status, Rfc1006Base)	Sets the status of the connection using the specified <i>value</i> , <i>sender</i> information. (Inherited from Rfc1006Base.)
×	SetStatus(Rfc1006Status, Rfc1006Base, Exception)	Sets the status of the connection using the specified <i>value</i> , <i>sender</i> and <i>exception</i> information. (Inherited from Rfc1006Base.)
×	Start	Starts the server and accept client. (Overrides Rfc1006Base.Start().)
×	Stop	Stops the server and disconnect client. (Overrides Rfc1006Base.Stop().)
××	StopAll	Stops all currently active servers and disconnect the clients.
×	ToString	Returns a string that represents the current object. (Inherited from Rfc1006Base.)
×	Transmit(Byte[])	Writes the length of <i>buffer</i> Bytes to the RFC1006 communication. (Inherited from Rfc1006Base.)
×	Transmit(String)	Writes the length of <i>buffer</i> Bytes to the RFC1006 communication. (Inherited from Rfc1006Base.)
×	Transmit(Byte[], Int32)	Writes <i>length</i> Bytes to the RFC1006 communication. (Inherited from Rfc1006Base.)
×	Transmit(Byte[], Int32, Int32)	Writes <i>length</i> Bytes to the RFC1006 communication. (Inherited from Rfc1006Base.)

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Properties

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	Name	Description
×	AliveTime	Gets or sets the time in milliseconds when the server will disconnect if the client is not responding (Inherited from Rfc1006Base.)
×	AutoReceive	Gets or sets a value indicating whether the receiving thread is turned on or off. (Inherited from Rfc1006Base.)
×	EndPoint	Gets or sets a network endpoint as an IP address, port number, remote TSAP and a local TSAP. (Inherited from Rfc1006Base.)
×	FastAcknowlege	FastAcknowlege If partner is sending small packages in short intervals. This makes the TCP-traffic faster V 1.0.3.0 (Inherited from Rfc1006Base.)
×	Localld	Gets or sets the local ID of the RFC1006 communication. (Inherited from Rfc1006Base.)
×	ReceiveTimeout	Gets or sets the time in milliseconds when the service will cancel the receive. (Inherited from Rfc1006Base.)
×	Remoteld	Gets or sets the remote ID of the RFC1006 communication. (Inherited from Rfc1006Base.)
×	Socket	Gets or sets the socket of the RFC1006 communication. (Inherited from Rfc1006Base.)
×	Status	Gets the status of the connection. (Inherited from Rfc1006Base.)
×	TransmitTimeout	Gets or sets the time in milliseconds when the service will cancel the transmit. (Inherited from Rfc1006Base.)

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Events

	Name	Description
×	Connected	Occurs before the connection. (Inherited from Rfc1006Base.)
×	Connecting	Occurs after the connection. (Inherited from Rfc1006Base.)
×	Received	Occurs after a receive. (Inherited from Rfc1006Base.)
×	Receiving	Occurs before a receive. (Inherited from Rfc1006Base.)
×	Started	Occurs after the server starts
×	Starting	Occurs before the server starts
×	StatusChanged	Occurs if something gone wrong during a transfer. (Inherited from Rfc1006Base.)
×	Stopped	Occurs after the server stops
×	Stopping	Occurs before the server stops
×	Timeout	Occurs when a timeout is appeared. (Inherited from Rfc1006Base.)
×	Transmitted	Occurs after a transmit. (Inherited from Rfc1006Base.)
×	Transmitting	Occurs before a transmit. (Inherited from Rfc1006Base.)

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See Also

Reference

Rfc1006LibNet.Advanced Namespace

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Rfc1006Status Enumeration

Represents the status of connection.

Namespace: Rfc1006LibNet.Advanced

Assembly: Rfc1006LibNet.Advanced (in Rfc1006LibNet.Advanced.dll) Version: 1.0.2.0 (1.0.5.3)

Syntax

C#

public enum Rfc1006Status

Members

 Member name	Value	Description
ConnectionClosed	0	After the close
ConnectionClosing	1	Before the close
Connected	2	After the connection
Connecting	3	Before the connection
Disconnected	4	After the disconnection
Disconnecting	5	Before the disconnection
Opened	6	After the open
Opening	7	Before the open
RfcConnecting	8	Before the RFC connection
RfcConnected	9	After the RFC connection
TcpConnecting	10	Before the TCP connection
TcpConnected	11	After the TCP connection
Starting	16	Before the server start
Started	17	After the server start
Stopping	18	Before the server stop
Stopped	19	After the server stop

See Also

Reference

Rfc1006LibNet.Advanced Namespace

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StatusChangedEventArgs Class

Provides data for the StatusChanged event.

Inheritance Hierarchy

System.Object System.EventArgs

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Namespace: Rfc1006LibNet.Advanced.EventArgs

Assembly: Rfc1006LibNet.Advanced (in Rfc1006LibNet.Advanced.dll) Version: 1.0.2.0 (1.0.5.3)

Syntax

C#

public class StatusChangedEventArgs : EventArgs

The **StatusChangedEventArgs** type exposes the following members.

Constructors

	Name	Description
×	StatusChangedEventArgs	Initializes a new instance of the StatusChangedEventArgs class using the specified <i>source</i> , <i>exception</i> information.

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Properties

	Name	Description
×	Exception	Gets the error that was occurred during the RFC1006 communication.
×	OrginalSource	Gets the original reporting source as determined by pure hit testing, before any possible Source adjustment by a parent class.
×	PreviousStatus	Gets the previous status of the connection.
×	Source	Gets or sets a reference to the object that raised the event.
×	Status	Gets the actual status of the connection.

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See Also

Reference

Rfc1006LibNet.Advanced.EventArgs Namespace

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TimeoutEventArgs Class

Provides data for the Timeout event.

Inheritance Hierarchy

System.Object System.EventArgs

Rfc1006LibNet.Advanced.EventArgs.TimeoutEventArgs

Namespace: Rfc1006LibNet.Advanced.EventArgs

Assembly: Rfc1006LibNet.Advanced (in Rfc1006LibNet.Advanced.dll) Version: 1.0.2.0 (1.0.5.3)

Syntax

C#

public class TimeoutEventArgs : EventArgs

The **TimeoutEventArgs** type exposes the following members.

Constructors

	Name	Description
×	TimeoutEventArgs	Initializes a new instance of the TimeoutEventArgs class using the specified source, exception information.

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Properties

-	- Name	Description
×	Exception	Gets the error that was occurred during the RFC1006 communication.
×	OrginalSource	Gets the original reporting source as determined by pure hit testing, before any possible Source adjustment by a parent class.
×	Source	Gets or sets a reference to the object that raised the event.

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See Also

Reference

Rfc1006LibNet.Advanced.EventArgs Namespace

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