

1 System.Net.Sockets.LingerOption Class

```
2 [ILAsm]  
3 .class public LingerOption extends System.Object  
  
4 [C#]  
5 public class LingerOption
```

6 Assembly Info:

- 7 • *Name*: System
- 8 • *Public Key*: [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- 9 • *Version*: 2.0.x.x
- 10 • *Attributes*:
 - 11 ○ CLSCompliantAttribute(true)

12 Summary

13 Maintains information that specifies how a `System.Net.Sockets.Socket` instance with
14 pending data behaves when the `System.Net.Sockets.Socket.Close` method of the
15 socket is called.

16 Inherits From: System.Object

17

18 **Library**: Networking

19

20 **Thread Safety**: All public static members of this type are safe for multithreaded operations.
21 No instance members are guaranteed to be thread safe.

22

23 Description

24 An instance of this class is passed into the
25 `System.Net.Sockets.Socket.SetSocketOption` method and is returned by the
26 `System.Net.Sockets.Socket.GetSocketOption` method when the *optionName*
27 parameter is set to `System.Net.Sockets.SocketOptionName.Linger`.

28

29 When the `System.Net.Sockets.LingerOption.Enabled` property is `true`, any queued
30 data continues to be sent until time equal to the setting of the
31 `System.Net.Sockets.LingerOption.LingerTime` property has passed or until the input
32 queue is empty. At this time, the connection is closed.

33

34 When the `System.Net.Sockets.LingerOption.LingerTime` property is zero or the
35 `System.Net.Sockets.LingerOption.Enabled` property is `false`, calling
36 `System.Net.Sockets.Socket.Close` immediately closes the socket and any pending
37 data is lost.

38

39 When setting the `System.Net.Sockets.SocketOptionName.Linger` option of an
40 instance of the `System.Net.Sockets.Socket` class, a `System.ArgumentException`
41 exception is thrown if the `System.Net.Sockets.LingerOption.LingerTime` property is
42 less than zero or greater than `System.UInt16.MaxValue`.

1 LingerOption(System.Boolean, System.Int32)

2 Constructor

```
3 [ILAsm]  
4 public rtspecialname specialname instance void .ctor(bool enable, int32  
5 seconds)  
  
6 [C#]  
7 public LingerOption(bool enable, int seconds)
```

8 Summary

9 Constructs and initializes a new instance of the System.Net.Sockets.LingerOption
10 class.

11 Parameters

Parameter	Description
<i>enable</i>	A System.Boolean where true enables the linger option and false disables the option.
<i>seconds</i>	A System.Int32 that contains the number of seconds to remain connected after the System.Net.Sockets.Socket.Close method is called.

12

13 Description

14 The System.Net.Sockets.LingerOption instance is created with the
15 System.Net.Sockets.LingerOption.Enabled property set to *enable* and the
16 System.Net.Sockets.LingerOption.LingerTime property set to *seconds*.

17

1 LingerOption.Enabled Property

```
2 [ILAsm]  
3 .property bool Enabled { public hidebysig specialname instance bool  
4 get_Enabled() public hidebysig specialname instance void set_Enabled(bool  
5 value) }  
  
6 [C#]  
7 public bool Enabled { get; set; }
```

8 Summary

9 Gets or sets a `System.Boolean` value indicating whether the connection remains open
10 (lingers) for a period of time after the `System.Net.Sockets.Socket.Close` method is
11 called.

12 Property Value

13 `true` to enable lingering after the `System.Net.Sockets.Socket.Close` method is
14 called; otherwise `false`.

15

1 LingerOption.LingerTime Property

```
2 [ILAsm]
3 .property int32 LingerTime { public hidebysig specialname instance int32
4 get_LingerTime() public hidebysig specialname instance void
5 set_LingerTime(int32 value) }
6
7 [C#]
8 public int LingerTime { get; set; }
```

8 Summary

9 Gets or sets the amount of time to remain connected after the
10 System.Net.Sockets.Socket.Close method is called.

11 Property Value

12 A System.Int32 that contains the amount of time, in seconds, to remain connected
13 after calling the System.Net.Sockets.Socket.Close method.

14 Description

15 When setting the System.Net.Sockets.SocketOptionName.Linger option of an
16 instance of the System.Net.Sockets.Socket class, a System.ArgumentException
17 exception is thrown if the System.Net.Sockets.LingerOption.LingerTime property is
18 less than zero or greater than System.UInt16.MaxValue.

19