

Re: Question about howto do proper timeout checking on connections

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.networks/2004-07/0011.html>

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Date: 06/30/04

Date: Tue, 29 Jun 2004 17:39:03 -0700

"Onemangang" <theonemangang@hotmail.com> wrote in message
news:uL2ZR2cXEHA.1656@TK2MSFTNGP09.phx.gbl...

> *Setsockopt returns zero, indicating that the so_rcvtimeo was*
> *set sucessfully. I used a timeout of 2500 ms to test this.*

Implementing your own timeouts is a better way of doing this, because you can include the timeout processing in your regular worker thread pools. I don't know if `so_rcvtimeo` is supported for all non-blocking sockets, but the documentation for `setsockopt` does state that `so_rcvtimeo` is supported for `recv()`. You are using `WSARecv()`.

On the topic of the way you're timing out, why not simply build a sorted structure (a list or something), on the basis of how soon the socket will time-out? Each time data is received or sent on a socket, just pump it to the end of the list, and when it's time to check for timeouts, you just remove those sockets at the front that are timed out, and don't search if the front socket isn't ready to be timed out. And you use the timeout value of the first socket as being the next time to wait.

Alun.

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