

Re: \$100 reward for socket disconnection help

Source: <http://coding.derkeiler.com/Archive/Java/comp.lang.java.programmer/2005-05/msg01206.html>

- *From:* Nigel Wade <nmw@xxxxxxxxxxxxx>
 - *Date:* Fri, 13 May 2005 10:02:29 +0100
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DennyOR wrote:

- > Here's more details on my situation:
- >
- > I'm running Java 1.4.1 as an applet on the client side, under Windows 98,
- > with a DSL connection through a Linksys Wireless-B Router. In test mode,
- > after my applet makes a socket connection to my server application, it
- > listens for intermittent notifications from the server to know that the
- > client-server connection still exists, and if the notifications stop, it
- > loops through attempts to make a new connection to the server, and when a
- > new connection is made it goes back to listening for the intermittent
- > notifications from the server.
- >
- > Fairly frequently, about once an hour, the client-server connection is
- lost.
- > This is probably due to some issue with the router, because if I remove
- the
- > router, client-server disconnects while I run my application are very
- rare.
- > (A search on "BEFW11S4", my router model number, and "disconnection" gets
- a
- > lot of hits.)
- >
- > Running AOL Instant Messenger (IM) while running my test application has
- no
- > effect on the disconnection rate of my application, but if IM is running,
- IM
- > disconnects at the same time my application does ("AOL Instant Messenger
- > Error: Connection lost. Check your internet connection").
- >
- > After disconnect my client starts trying to make a new connection with my
- > server. It always succeeds in reconnecting, sometimes within a minute but
- > often taking up to 30 minutes. Each time it fails to make a new connection
- > the IOException message is "java.net.ConnectException: Connection timed
- out:
- > connect".
- >
- > Interestingly, if I re-start IM (click on "Sign On") while my application
- is

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- > still trying to reconnect, IM is always able to immediately reconnect, and
- > right after IM reconnects my application always immediately reconnects.
- >
- > The fact that my application and IM are tightly coupled in both disconnect
- > and reconnect behavior indicates that my problem has nothing to do with my
- > server. It's some sort of local client issue.
- >
- > I don't know exactly what the problem is with my router, but since other
- > people may be using the same router or another with a similar problem, I'd
- > like my application to be able to recover gracefully from these
- disconnects.
- > A thirty minute wait for reconnection is not graceful, nor is asking my
- > application users to start up IM anytime my application disconnects.
- >
- > IM is doing something that my applet isn't doing to reconnect to its
- server
- > that seems to break down some barrier in my local client, and once that
- > barrier is broken then my applet can also reconnect. Perhaps IM is
- accessing
- > some system resource that's not available in the java virtual machine, but
- > more likely I'm overlooking something.
- >
- > The \$100 reward will go to any suggestion that helps me understand and
- deal
- > with this problem, including the suggestions that have already been made
- > when I get a chance to do some more testing. Thanks.
- >
- > Denny

At the time your application has lost connection and is attempting to reconnect, what does the system say about the status of the network?

If the network is not up, and you start AOL IM does it bring up the network?

My guess is that AOL IM is capable of starting the network if it's down. Your application does not do this while it's attempting to reconnect.

—

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• **References:**

◆ **Re: \$100 reward for socket disconnection help**

◇ From: DennyOR

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