

## Re: web service: client side timeout?

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<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.webservices/2008-02/msg00076.htm>

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- *From:* hzgt9b <celoftis@xxxxxxxx>
  - *Date:* Mon, 11 Feb 2008 07:58:43 -0800 (PST)
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On Feb 8, 3:36 pm, "John Saunders [MVP]" <john.saunders at trizetto.com> wrote:

"hzgt9b" <celof...@xxxxxxxx> wrote in message

<news:4417945f-0c73-4d03-9023-28c46925f6b9@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

On Feb 8, 6:33 am, "John Saunders [MVP]" <john.saunders at

trizetto.com> wrote:

"hzgt9b" <celof...@xxxxxxxx> wrote in message

<news:afdfcf2-93cb-4092-9fd6-724f942d97e0@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

On Feb 7, 7:35 pm, "John Saunders [MVP]" <john.saunders at

trizetto.com> wrote:

"hzgt9b" <celof...@xxxxxxxx> wrote in message

<news:a0c37b20-24f7-40ca-8da3-960fc07e487f@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

On Feb 7, 11:53 am, "John Saunders [MVP]" <john.saunders at

trizetto.com> wrote:

"hzgt9b" <celof...@xxxxxxxx> wrote in



Re: web service: client side timeout?

client side but only from the server side. But here is an error message that some (not all) of my clients are getting:

```
System.Net.WebException:
Unable to connect to the
remote server ----
>
System.Net.Sockets.SocketException:
A connection attempt failed
because the connected party
did not properly respond
after a period
of
time, or established
connection failed because
connected host has
failed to respond
at
System.Net.Sockets.Socket.DoConnect(EndPoint
endPointSnapshot,
SocketAddress
socketAddress)
at
System.Net.Sockets.Socket.InternalConnect(EndPoint
remoteEP)
at
System.Net.ServicePoint.ConnectSocketInternal(Boolean
connectFailure, Socket s4,
Socket s6, Socket&
socket,
IPAddress&
address,
ConnectSocketState state,
IAsyncResult
asyncResult, Int32 timeout,
Exception&
exception)
---- End of inner exception
stack trace ----
at
System.Net.HttpWebRequest.GetRequestStream()
at
System.Web.Services.Protocols.SoapHttpClientProtocol.Invoke(String
methodName, Object[]
parameters)
at
myApp.org.myCompany.myDomain.myServices.Upload(String,
DateTime , String, String,
```

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Object) at  
myApp.myClass.myMethod()

To me this looks like the client side is not able to reach the web service and is timing out. Because I control what is installed on the client machines I can rule out third party conflicts (fire walls, anti-virus, and such). Why else would I be getting a client side timeout given my set-up (i.e. web service timeout set to infinite)? If this is not a client side timeout please correct me! BTW, the web service is on a secure site (https) and I do set the web service object's credentials to a properly configured NetworkCredential object. Could the credentials in my NetworkCredential object expire causing a timeout (don't think so, just grabbing for straws)?

Note that this is a timeout on the connection attempt. Your client-side timeout is not relevant in this case.

You should consider adding retry code that traps this specific exception

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and  
tries again a certain number of times.

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John Saunders | MVP – Windows Server  
System – Connected System  
Developer–  
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– Show quoted text –

So what's the difference between the connection attempt and  
the web  
service connection?

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Before the client can communicate to the server, a TCP/IP  
connection  
needs  
to be established. It is that process that is timing out in your  
case.

Once the connection is established, data can be sent and  
received using  
the  
TCP/IP connection. This is the timeout you configured to be  
infinite.

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John Saunders | MVP – Windows Server System –  
Connected System  
Developer–  
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Thanks for the prompt replies:  
Obvious next question: if I configured the timeout to be infinite then  
why would I get a timeout and why is my "...client-side

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timeout is not relevant in this case"? I have some retries in the application, I'm just trying to understand the root cause behind the (now identified TCP/IP) timeouts...

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I'm sorry if I wasn't clear.

There are two separate kinds of timeout involved: the connect timeout and the "transport timeout". You have no control over the connect timeout. That's the one that timed out for you this time. The "transport timeout" is the one you're setting to infinite. It only takes effect after a connection has been established. Since no connection was established in your case, the "client-side timeout is not relevant".

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John Saunders | MVP – Windows Server System – Connected System Developer–  
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Thanks for the clarification.

So then what can cause the "connection" timeout to occur?

I don't see this issue will all my clients (and some have it more server than others) – this makes me think the connection is not related to the server but an issue outside of their machine but not the server.

=====

The issue could be anywhere, even on the server. The connection timeout simply means that the connection did not occur in time. In fact, it could mean that the connection would never have occurred, no matter how long you wait. Obviously, this could be caused by anything, from a temporary failure of a router, to the server being hit by a meteor (somewhat less temporary)!

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John Saunders | MVP – Windows Server System – Connected System Developer– Hide quoted text –

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Ok, thanks for the replies.

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