
Subject: Re: Problem with TCP window too large for TCPRCVBUF still present
Posted by [gblond](#) on Wed, 26 Mar 2008 12:13:56 GMT

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On 25 March 2008 15:50:46 Marcin Owsiany wrote:

> On Tue, Mar 25, 2008 at 03:33:08PM +0300, Vitaliy Gusev wrote:

> > Does the original kernel 028.53.3 still have issue with sending ack?

>

> I didn't try.

>

> > I see if VE has too small tcprcvbuf (about 30000) then server retransmit

> > packets to VE. But i can't reproduce a deadlock state.

>

> Maybe you need a crappy internet connection to be able to reproduce this

> :)

>

> The way I did that recently was:

> 1) saturate the link (medium-quality 4 Mb ADSL) in both directions from

> another machine

Traffic from other machine to VE (and vise-versa) or from other machine to VE0?

Is it TCP or ICMP traffic?

>

> 2) give it a couple of minutes until the transfer rates are steady

>

> 3) start downloading a large file in a VE (I'm in UK and used a

> debian-cd mirror in Australia for that)

>

> 4) give it a couple of minutes until the transfer rate is steady (you

> can observe the current window size in tcpdump - just wait until it

> stops changing)

>

> 5) then stop both transfers on the other machine

>

> 6) after some time (10-20 seconds), the testing VE will notice that

> more bandwidth has become available, and you will notice that the

> window size will start increasing, to increase the transfer rate

>

> 7) for me, at the point the window size has reached about 9KB (it takes

> just a couple of seconds from the moment the window started

> increasing), the deadlock occurred

>

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Thank,
Vitaliy Gusev
