

RE: sendto: No buffer space available

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/isp/2003-07/0176.html>

From: Lapinski, Michael (Research) (lapinski_at_crd.ge.com)

Date: 07/30/03

To: "'Haesu'" <haesu@towardex.com>, Dave Byrne <dave-lists@glynjones.com>, freebsd-isp@freebsd.org
Date: Wed, 30 Jul 2003 16:30:44 -0400

I think heading down the path of switchign out network gear is a bad idea, this is definitely something in the software.

I have had this error a few times when messing with the TCP window sizes, `net.inet.tcp.sendspace` and `net.inet.tcp.recvspace`. When I set them to something over 128000 I would get the error. The solution was set the number of mbufs to 128000. Doing so allowed me to make the window sizes 256000 and eliminated the error.

-good luck
-mtl

Michael Lapinski
Computer Scientist
GE Research

"I think there is a world market for maybe five computers."
- IBM Chairman Thomas Watson, 1943

->-----Original Message-----

->From: Haesu [<mailto:haesu@towardex.com>]

->Sent: Wednesday, July 30, 2003 4:26 PM

->To: Dave Byrne; freebsd-isp@freebsd.org; freebsd-questions@freebsd.org

->Subject: Re: sendto: No buffer space available

->

->

->Hmmm... i had truss running but the moment it died it was

->running `gettimeofday()` so i am not sure :-/

->

->I tried different ports on the switch.. It's a cisco switch

->btw, and other freebsd boxes on that switch

->are not exhibiting similar problem....

->

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->I'll try putting this behind a hub or something other than
->cisco just for kicks but if anyone has any further
->ideas/suggestions, i'd really appreciate it.
->
->Thank you!
->
->-hc
->
->--
->Sincerely,
-> Haesu C.
-> TowardEX Technologies, Inc.
-> WWW: <http://www.towardex.com>
-> E-mail: haesu@towardex.com
-> Cell: (978) 394-2867
->
->On Wed, Jul 30, 2003 at 11:36:35AM -0700, Dave Byrne wrote:
->> I had the same exact problem. I traced it to be a bug in
->some software
->> that opened a domain socket(2) but could not connect(2) and
->never closed
->> the descriptor returned.
->>
->> something like:
->>
->> sd = socket(AF_UNIX, SOCK_STREAM, 0);
->> ...
->> if(connect(sd, (struct sockaddr *)&saddr, sizeof(saddr)) < 0) {
->> return -1;
->> }
->>
->> where close(2) was skipped on sd if the connect failed.
->>
->> over a period of time (12-18hrs), these unconnected sockets
->would fill
->> up the available buffer space, and exhibit the same symptoms you are
->> having. even running ifconfig would fail with No buffer
->space available.
->>
->> from intro(2):
->> 55 ENOBUFS No buffer space available. An operation on a
->socket or pipe
->> was not performed because the system lacked sufficient
->buffer space or
->> because a queue was full.
->>
->> Fixing that bug fixed the problem. I doubt you have a
->hardware problem,
->> I would try narrowing down what software is causing the
->lockup. truss(1)
->> might help you out here.

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->>
->>
->>
->> Dave
->>
->>
->>
->>
->> On Wed, 2003-07-30 at 09:32, Haesu wrote:
->> > Hello,
->> >
->> > We have a FreeBSD box here that we use to route some GRE
->tunnels and ipv6 gif tunnels. We use zebra for dynamic
->routing running zebra, bgpd, ospfd, and ospf6d.
->> >
->> > We have about 12 FreeBSD boxes with exact same
->configuration, the only
->> > difference is just the IP address of each interface.
->> >
->> > None of them fail but this one box...
->> >
->> > Everyday, this box stops all networking. I can still
->console in and stuff.. When
->> > I typed 'ping 127.0.0.1' at the console after networking
->locked up, it says:
->> > ping: sendto: No buffer space available
->> >
->> > The only solution seems to be rebooting it everyday... It
->happens every 12 hours
->> > or so...
->> >
->> > This is not related with mbuf, etc either, as netstat -m
->doesn't show any
->> > issues.
->> >
->> > The box has one IP address and IPv6 address in addition
->to 127.0.0.1 on lo0
->> > interface. It also has a ds0 interface with 10.5.5.5/30
->assigned to ds0.
->> > This is exact same configuration on all other boxes, and
->none of them fail but
->> > this one.
->> >
->> > I've swapped out NICs with different vendors 3 times
->(tried, xl, dc, and now rl)
->> >
->> > I've also swapped out the whole box, and also swapped out
->the whole hard drive
->> > and did full reinstall. And problem still persists and
->it's definately not
->> > hardware as I swapped everything out... (unless the 3 NIC

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->vendors above are all
->> > exhibiting same issue)
->> >
->> > I tried to look on Google but nothing useful that
->corelates to this particular
->> > issue..
->> >
->> > Any help would be very appreciated :)
->> >
->> > Thanks,
->> > -hc
->> >
->> > The box is running FreeBSD 4.8-STABLE
->> > FreeBSD necsis 4.8-STABLE FreeBSD 4.8-STABLE #0: Tue Jul
->29 13:10:11 GMT 2003 root@necsis:/usr/src/sys/compile/router i386
->> >
->> > Following is output of netstat -s AFTER the networking
->locks up with no buffer
->> > space available error:
->>
->>
->> _____
->> freebsd-isp@freebsd.org mailing list
->> <http://lists.freebsd.org/mailman/listinfo/freebsd-isp>
->> To unsubscribe, send any mail to
->"freebsd-isp-unsubscribe@freebsd.org"
->
-> _____
->freebsd-isp@freebsd.org mailing list
-><http://lists.freebsd.org/mailman/listinfo/freebsd-isp>
->To unsubscribe, send any mail to "freebsd-isp-unsubscribe@freebsd.org"
->

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To unsubscribe, send any mail to "freebsd-isp-unsubscribe@freebsd.org"

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