

Re: sendto: No buffer space available

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/isp/2003-07/0174.html>

From: Dave Byrne (dave-lists_at_glynjones.com)

Date: 07/30/03

To: Haesu <haesu@towardex.com>

Date: 30 Jul 2003 11:36:35 -0700

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.

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.

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>
> *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 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:*

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