

Major problem with "No buffer space available" errors

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2003-07/0018.html>

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Date: 07/16/03

To: freebsd-performance@freebsd.org

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Hi,

I'm having huge problems with "No buffer space available" errors. I've increased MAXUSERS to 512 in the kernel, recompiled, rebooted and the sysctl values below show that everything is up'ed to the max.

some details which may help are:

```
kern.maxfiles: 10796
kern.maxfilesperproc: 9716
kern.ipc.maxsockbuf: 262144
kern.ipc.somaxconn: 65000
kern.ipc.nmbclusters: 65000
kern.ipc.maxsockets: 65000
```

netstat -m reveals:

```
70/400/260000 mbufs in use (current/peak/max):
  67 mbufs allocated to data
  3 mbufs allocated to packet headers
64/208/65000 mbuf clusters in use (current/peak/max)
516 Kbytes allocated to network (0% of mb_map in use)
```

Any executable i try use which uses sockets has problems, for example rsync:

```
socket: No buffer space available
rsync: connection unexpectedly closed (0 bytes read so far)
rsync error: error in rsync protocol data stream (code 12) at io.c(165)
```

Can anyone help?

Regards,

James

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