

Re: LOR: so_snd @ /usr/src/sys/kern/uipc_coket.c:780

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2005-11/1020.html>

From: John Baldwin (jhb_at_freebsd.org)

Date: 11/29/05

To: freebsd-current@freebsd.org

Date: Tue, 29 Nov 2005 16:29:07 -0500

On Tuesday 29 November 2005 03:08 pm, Mark Atkinson wrote:

> *this one seems new, and doesn't seem to match anything on the known*
> *list. Typed by hand. Single processor, no hyperthreading. The last*
> *thing it was doing was doing a 'test' command on a file over nfs.*
>
> *Lock order reversal:*
> *1st 0xc5ef0ec so_snd (so_snd) @ /usr/src/sys/kern/uipc_socket.c:780*
> *2nd 0xc0ac15ec tcp (tcp) @ /usr/src/sys/netinet/tcp_usrreq.c:580*
> *KDB: stack backtrace:*
> *kdb_backtrace() at kdb_backtrace+0x2e*
> *witness_checkorder() at witness_checkorder+0x6d3*
> *_mtx_lock_flags() at _mtx_lock_flags+0x8a*
> *tcp_usr_shutdown() at tcp_usr_shutdown+0x3d*
> *soshutdown() at soshutdown+0x41*
> *nfs_disconnect() at nfs_disconnect+0xd5*
> *nfs_reconnect() at nfs_reconnect+0x1c*
> *nfs_reply() at nfs_reply+0x170*
> *nfs_request() at nfs_request+0x451*
> *nfs3_access_otw() at nfs3_access_otw+0xde*
> *nfs_access() at nfs_access+0x120*
> *VOP_ACCESS_APV() at VOP_ACCESS_APV+0xac*
> *nfs_lookup() at nfs_lookup+0xe5*
> *VOP_LOOKUP_APV() at VOP_LOOKUP_APV+0xb4*
> *lookup() at lookup+0x468*
> *namei() at namei+0x468*
> *kern_stat() at kern_stat+0x3d*
> *stat() at stat+0x2f*
> *syscall() at Xint0x80_syscall+0x1f*
> *--- syscall (188, FreeBSD ELF32, stat, eip = 0x2819ad63, esp =*
> *0xbfbfe8cc, ebp = 0xbfbfe9c8 ---*
> *panic: _mtx_lock_sleep: recursed on non-recursive mutex so_snd @*
> */usr/src/sys/kern/uipc_socket.c:391*
>
> *cpuid = 0*
> *KDB: enter: panic*

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```
> Stopped at kdb_enter+0x30: leave
> db>
> db> show alllocks
> Process 54517 (sh) thread 0xc5f1fd80 (100100)
> exclusive sleep mutex so_snd r = 0 (0xc5aef0ec) locked @
> /usr/src/sys/kern/uipc_socket.c:780
> exclusive sleep mutex Giant r = 0 (0xc0a713c0) locked @
> /usr/src/sys/kern/vfs_lookup.c:619
> Process 54515 (cc1) thread 0xc5eac600 (100093)
> exclusive sx user map r = 0 (0xc5fa2170) locked @
> /usr/src/sys/vm/vm_map:2996
```

Try this patch:

Index: uipc_socket.c

RCS file: /usr/cvs/src/sys/kern/uipc_socket.c,v

retrieving revision 1.254

diff -u -r1.254 uipc_socket.c

--- uipc_socket.c 28 Nov 2005 21:45:36 -0000 1.254

+++ uipc_socket.c 29 Nov 2005 21:28:16 -0000

@@ -716,7 +716,7 @@

}

```
#define SBLOCKWAIT(f) (((f) & MSG_DONTWAIT) ? M_NOWAIT : M_WAITOK)
```

```
~#define snderr(errno) { error = (errno); goto out; }
```

```
+#define snderr(errno) { error = (errno); goto release; }
```

```
/*
```

```
 * Send on a socket.
```

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--
```

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