

Re: Ufs dead-locks on freebsd 6.2

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2007-05/msg00036.html>

- *From:* Kostik Belousov <kostikbel@xxxxxxxxxx>
 - *Date:* Thu, 17 May 2007 20:47:35 +0300
-

On Thu, May 17, 2007 at 01:03:37PM -0400, Andrew Edwards wrote:

Here it is.

```
db> show vnode 0xccd47984
vnode 0xccd47984: tag ufs, type VDIR
usecount 5135, writecount 0, refcount 5137 mountedhere 0
flags (VV_ROOT)
v_object 0xcd02518c ref 0 pages 1
#0 0xc0593f0d at lockmgr+0x4ed
#1 0xc06b8e0e at ffs_lock+0x76
#2 0xc0739787 at VOP_LOCK_APV+0x87
#3 0xc0601c28 at vn_lock+0xac
#4 0xc05ee832 at lookup+0xde
#5 0xc05ee4b2 at namei+0x39a
#6 0xc05e2ab0 at unpc_connect+0xf0
#7 0xc05e1a6a at uipc_connect+0x66
#8 0xc05d9992 at soconnect+0x4e
#9 0xc05dec60 at kern_connect+0x74
#10 0xc05debd0 at connect+0x2f
#11 0xc0723e2b at syscall+0x25b
#12 0xc070ee0f at Xint0x80_syscall+0x1f
```

ino 2, on dev amrd0s1a

It seems to be the sort of things that cannot happen. VOP_LOCK() returned 0, but vnode was not really locked.

Although claiming that kernel code cannot have such bug is too optimistic, I would first make sure that:

1. You checked the memory of the machine.
2. Your kernel is built from pristine sources.

-----Original Message-----

From: Kostik Belousov [<mailto:kostikbel@xxxxxxxxxx>]

Sent: Thursday, May 17, 2007 1:01 PM

Re: Ufs dead-locks on freebsd 6.2

To: Andrew Edwards
Cc: freebsd-performance@xxxxxxxxxxx; freebsd-fs@xxxxxxxxxxx
Subject: Re: Ufs dead-locks on freebsd 6.2

On Thu, May 17, 2007 at 11:44:15AM -0400, Andrew Edwards wrote:

I've upgraded to 6-stable, added the kernel options as per
the kernel
handbook. After about 5 hours of they system in a deadlock
it panic'd.

Here's the backtrace, and show pcpu, show allpcpu, show
locks, show
alllocks, show lockedvnods and alltrace.

I will have the system down for approx another 15-20mins if
there's
anything else someone would like while I'm in the debugger.

```
db> bt
Tracing pid 46784 tid 105112 td 0xd44a8000
kdb_enter(c0785f13) at kdb_enter+0x2b
vfs_badlock(c0785f2c,c0786051,ccd47984) at
vfs_badlock+0x47
assert_vop_locked(ccd47984,c0786051) at
assert_vop_locked+0x4a
vop_lock_post(f9f709dc,0,1002,ccd47984,f9f709f8,...) at
vop_lock_post+0x2a
VOP_LOCK_APV(c07dc2e0,f9f709dc) at
VOP_LOCK_APV+0xa0
vn_lock(ccd47984,1002,d44a8000) at vn_lock+0xac
lookup(f9f70c08) at lookup+0xde
namei(f9f70c08) at namei+0x39a
unp_connect(d44b2de8,d44dc380,d44a8000,d44b2de8,25,...)
at
unp_connect+0xf0
uipc_connect(d44b2de8,d44dc380,d44a8000) at
uipc_connect+0x66
soconnect(d44b2de8,d44dc380,d44a8000) at
soconnect+0x4e
kern_connect(d44a8000,7,d44dc380,d44dc380,0,...) at
kern_connect+0x74
connect(d44a8000,f9f70d04) at connect+0x2f
syscall(3b,805003b,bfbf003b,bfbfd920,bfbfd922,...) at
syscall+0x25b
```

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Xint0x80_syscall() at Xint0x80_syscall+0x1f

Could you, please, do the "show vnode 0xccd47984" from ddb prompt or "p/x *(struct vnode *)0xccd47984" from kgdb using dump for this panic ?

Side note: it seems that on HEAD, vnode_if.awk does not generate call to vop_lock_{pre,post} due to mismatch in the name of vop and pre/post names.

freebsd-fs@xxxxxxxxxxx mailing list

<http://lists.freebsd.org/mailman/listinfo/freebsd-fs>

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