

Re: Fine-grained locking for POSIX local sockets (UNIX domain sockets)

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Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2006-05/msg00040.html>

- *From:* Sven Petai <hadara@xxxxxx>
 - *Date:* Tue, 9 May 2006 18:18:11 +0300
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On Tuesday 09 May 2006 03:42, Kris Kennaway wrote:

On Tue, May 09, 2006 at 03:34:59AM +0300, Sven Petai wrote:

Hmm, with this patch mysql 4.1 seems to crash at startup. I haven't yet had time to investigate. Is anyone else seeing this?

Seems to run fine here with 4.1.18 on amd64, but doesn't seem to make much difference though.

I ran the tests again on the 8 core machine with and without rwatson's patch and this time with 6 tests for each setting and generated graphs: <http://bsd.ee/~hadara/debug/mysql4/stats.html>

thr + select smack dynamics with the patch really do look quite interesting

PS

I'm currently running testround with rwatson's patch + http://people.freebsd.org/~csjp/kern_descrip.c.1145074052.diff + mysql'd change davidxu suggested.

Are there any other patches out there that I should try ?

Sorry, I meant

<http://people.freebsd.org/~csjp/sys.mpsafe.fileops.1145896495.diff> instead of that patch. Also try turning down HZ to 100, and changing the wakeup(s) to wakeup_one() in sys/filedesc.h.

I preformed additional tests with the settings you suggested, updated graphs are available @ <http://bsd.ee/~hadara/debug/mysql4/stats.html>

* with rwatson's patch + mysql'd change suggested by davidxu + <http://people.freebsd.org/~csjp/sys.mpsafe.fileops.1145896495.diff>

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there doesnt seem to be much difference, but in general things seem to be couple of percent better
mutex profiles for this configuration are available @
with 10 smack threads:

http://bsd.ee/~hadara/debug/mysql4/freebsd_cur_ps2/mutex_freebsd_cur2_p2-select_10_10000.txt

with 100 smack threads:

http://bsd.ee/~hadara/debug/mysql4/freebsd_cur_ps2/mutex_freebsd_cur_p2-select_100_1000.txt

* second run was with same patches, but HZ set to 100
this helps performance a lot but creates large fluxuations in select results
with >20 threads + thr, sometimes difference between 2 runs with same
settings was 10000+ q/s

I'm currently still testing wakeup() -> wakeup_one() suggestion.

In addition I did full testrun on linux to see how much this hardware
is really capable of... graphs for that are available on the stats page too.

freebsd-performance@xxxxxxxxxxxxx mailing list

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