

glibc pthread_join freezing on sarge

Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2005-08/3780.html>

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To: debian-user@lists.debian.org

Hello all,

I'm running a stock sarge machine with the 32bit 2.6.8 kernel on a AMD64 3200+ machine. I'm using some unstable and demudi packages.

Problem I'm having is that a few apps (actually almost all my v4l apps) crash when I try and capture video. Actually there is no fault, but the software hangs. I traced it down to the use of pthread_join() which is where the code hangs. (I've been doing a backtrace after manually killing the application)

I tried upgrading my libc6 to 2.3.2.ds1-22.d still getting the same crash. Here are a couple examples of traces:

```
(gdb) bt
#0 0xffffe410 in __kernel_vsyscall ()
#1 0x40128f18 in pthread_join () from /lib/tls/i686/cmov/libpthread.so.0
#2 0x44bd97bd in videoV4L::stopTransfer () from
/usr/lib/pd/extra/Gem.pd_linux
#3 0x44bd504c in pix_videoNEW::stopRendering ()
from /usr/lib/pd/extra/Gem.pd_linux
#4 0x44b0111e in GemBase::gem_startstopMess ()
from /usr/lib/pd/extra/Gem.pd_linux
#5 0x44b01382 in GemBase::gem_MessCallback ()
from /usr/lib/pd/extra/Gem.pd_linux
#6 0x0809ba47 in pd_typedmess ()
#7 0x00000000 in ?? ()
```

```
(gdb) bt
#0 0xffffe410 in __kernel_vsyscall ()
#1 0x40128f18 in pthread_join () from /lib/tls/i686/cmov/libpthread.so.0
#2 0x42a86440 in pdp_sdl_setup () from /usr/lib/pd/extra/pdp.pd_linux
```

So what should I do to try and solve this? What version of libc6 should I be using? Are there known bugs with my configuration and pthreads?

Debian-User: glibc pthread_join freezing on sarge

I'm dependant on getting this machine working, so I hope someone has a suggestion. I'd be happy to do whatever tests to break the issue down further.

Thanks all.

B.

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