

## Re: scheduler (sched\_4bsd) questions

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/arch/2004-09/0212.html>

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**From:** Stephan Uphoff ([ups\\_at\\_tree.com](mailto:ups_at_tree.com))

**Date:** 09/28/04

To: Peter Holm <[peter@holm.cc](mailto:peter@holm.cc)>

Date: Mon, 27 Sep 2004 22:52:16 -0400

On Sun, 2004-09-26 at 03:52, Peter Holm wrote:

> On Sat, Sep 25, 2004 at 08:50:45PM -0700, Julian Elischer wrote:

> > Stephan Uphoff wrote:

> >

> > > Maybe something brutal like:

> > > if((curthread->td\_ksegrp == kg) &&

> > > (td->td\_priority > curthread->td\_priority))

> > > curthread->td\_flags |= TDF\_NEEDRESCHED;

> > >

> > > in setrunqueue for

> > > the else case of "if (kg->kg\_avail\_openings > 0)"

> > > would do the trick (without preemption) for the easy but probably more

> > > common cases?

> > >

> > > Maybe I can find some time next week to think about a clean

> > > fix. I find it always helpful having a small task in mind while reading

> > > source code.

> > >

> > >

> > > I wrote a fix that should cover all cases.

> > > However I would like to test it a little bit before posting the patch.

> > > Is there any multi-threaded kernel torture program that you can

> > > recommend?

> > >

> > >

> > Peter Holm (CC'd) has a really cool set of torture tests.

> > he has also seen all sorts of failures others have not (yet) triggered. :-)

> >

> > I'm 'busy' for the next couple of weeks so you may want to communicate

> > directly with him and see if you and he together can figure out some of the

> > things he's

> > been seeing :-)

> >

> > his tests are at:

> > <http://www.holm.cc/stress/src/stress.tgz>

> >

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> > >

> > > *Thanks*

> > >

> > > *Stephan*

> > >

>

> *I'll be glad to test any patches.*

Great.

Can you try the attached patch to see if it changes any of your previously observed behaviour?

Thanks

Stephan

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- text/x-patch attachment: switch\_patch\_charset\_ASCII