Subject: Re: [PATCH v7 1/3] cgroups: read-write lock CLONE\_THREAD forking per threadgroup

Posted by Paul Menage on Mon, 14 Feb 2011 05:31:42 GMT

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On Mon, Jan 24, 2011 at 1:05 PM, Andrew Morton <akpm@linux-foundation.org> wrote:

>

> Risky. sched.h doesn't include rwsem.h.

>

- > We could make it do so, but almost every compilation unit in the kernel
- > includes sched.h. It would be nicer to make the kernel build
- > finer-grained, rather than blunter-grained. Don't be afraid to add new
- > header files if that is one way of doing this!

>

The only header files included by rwsem.h that aren't directly included in sched.h already are linux/linkage.h and asm/atomic.h. Since sighand\_struct in sched.h has an atomic\_t field, sched.h is clearly including atomic.h somewhere indirectly. And there are mutex fields in sched.h, which means it's indirectly including linux/mutex.h, which includes linux/linkage.h. So I think that it's hard to argue that this change would make the kernel build any more heavyweight.

Paul

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