Subject: Re: [PATCH 1/7] containers (V7): Generic container system abstracted from cpusets code
Posted by Paul Menage on Mon, 12 Feb 2007 19:26:34 GMT
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On 2/12/07, Srivatsa Vaddagiri <vatsa@in.ibm.com> wrote:
> On Mon, Feb 12, 2007 at 12:15:22AM -0800, menage@google.com wrote:
> > +void container_fork(struct task_struct *child)
> > +{
> > +   task_lock(current);
>
> Can't this be just rcu_read_lock()?
>

In this particular patch (which is an almost verbatim extraction/renaming of the generic bits of the cpusets code into container.c) it probably could - but the main patch that adds the container_group support would lose it since we use kref to refcount container_group objects, and hence they're freed when their refcount reaches zero. RCU is still fine for reading the container_group pointers, but it's no good for updating them, since by the time you update it it may no longer be your container_group structure, and may instead be about to be deleted as soon as the other thread's rcu_synchronize() completes.

Paul