
Subject: Re: [ckrm-tech] [PATCH 3/9] Containers (V9): Add tasks file interface
Posted by [Srivatsa Vaddagiri](#) on Wed, 02 May 2007 03:38:34 GMT
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On Tue, May 01, 2007 at 08:25:35PM -0700, Paul Menage wrote:

> > - Walk the task table and find relevant members
>
> That doesn't seem like a terrible solution to me, unless you expect
> the class limit to be changing incredibly frequently.

yeah i agree. Group limit(s) should not be changing so frequently.

> > perhaps
> > - Move p->load_weight to a class structure
>
> Sounds like a good idea if you can do it - but if it's per-process,
> how would it fit in the class structure?

p->load_weight essentially depends on two things:

- nice value or static priority (which is per process, already present in task_struct)
- class limit (which is per class)

So in theory we can eliminate the load_weight field in task_struct and compute it at runtime from the above two fields, although it will be slightly inefficient I guess to compute the value every time a task is added to the runqueue. If that is not desirable, then we can stick with option 1 (walk task list and change member task's->load_weight upon class limit change).

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Regards,
vatsa
