
Subject: Re: [ckrm-tech] [PATCH 3/9] Containers (V9): Add tasks file interface
Posted by [Paul Menage](#) on Wed, 02 May 2007 03:25:35 GMT

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On 5/1/07, Srivatsa Vaddagiri <vatsa@in.ibm.com> wrote:

>
> For the CPU controller I was working on, (a fast access to) such a list would
> have been valuable. Basically each task has a weight associated with it
> (p->load_weight) which is made to depend upon its class limit. Whenever
> the class limit changes, we need to go and change all its member task's
> ->load_weight value.
>
> If you don't maintain the per-container task list, I guess I could still
> work around it, by either:
>
> - 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.

If we had multiple subsystems that needed to walk the container member
list on a fast-path operation (e.g. to make a scheduling decision)
that would be a good reason to maintain such a list.

> 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?

Paul
