
Subject: Re: [PATCH] task containersv11 add tasks file interface fix for cpusets

Posted by [Paul Jackson](#) on Sat, 06 Oct 2007 21:41:57 GMT

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Paul M wrote:

```
>
> What's wrong with:
>
> allocate a page of task_struct pointers
> again:
> need_repeat = false;
> cgroup_iter_start();
> while (cgroup_iter_next()) {
>   if (p->cpus_allowed != new_cpumask) {
>     store p;
>     if (page is full) {
>       need_repeat = true;
>       break;
>     }
>   }
> }
> }
> for each saved task p {
>   set_cpus_allowed(p, new_cpumask);
>   release p;
> }
> if (need_repeat)
>   goto again;
```

That might work ... nice idea there, comparing the two masks, so one only needs to store the ones not yet fixed. Unfortunately, I need to put this aside until I return in four days, from a short trip.

Given that cgroups is targeted for 2.6.24, and that cpusets is broken without this, I'll have to do something soon. But this, or some such, should work, soon enough.

Thanks.

```
> I'd much rather not perpetuate that broken API requirement. The fact
> that cpusets wants this odd behaviour is based on a nasty hack.
```

Well ... yeah ... it's a bit of an ugly child. But I'm its daddy.
The kid looks fine in my eyes. <grin>

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I won't rest till it's the best ...
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