
Subject: Re: [ckrm-tech] [PATCH 3/7] Containers (V8): Add generic multi-subsystem API to containers

Posted by [Paul Menage](#) on Sat, 07 Apr 2007 01:58:15 GMT

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On 4/6/07, menage@google.com <menage@google.com> wrote:

> This patch removes all cpuset-specific knowlege from the container
> system, replacing it with a generic API that can be used by multiple
> subsystems. Cpusets is adapted to be a container subsystem.

>

> +

```
> + /* Set of subsystem states, one for each subsystem. NULL for  
> + * subsystems that aren't part of this hierarchy. These  
> + * pointers reduce the number of dereferences required to get  
> + * from a task to its state for a given container, but result  
> + * in increased space usage if tasks are in wildly different  
> + * groupings across different hierarchies. This array is  
> + * mostly immutable after creation - a newly registered  
> + * subsystem can result in a pointer in this array  
> + * transitioning from NULL to non-NULL */  
> + struct container_subsys_state *subsys[CONTAINER_SUBSYS_COUNT];
```

Oops, this comment is rather out of date and should have been trimmed for this patch. It should be disregarded apart from the first sentence.

Paul
