Subject: Re: [ckrm-tech] [PATCH 7/7] containers (V7): Container interface to nsproxy subsystem
Posted by Paul Menage on Wed, 04 Apr 2007 04:04:59 GMT

On 4/3/07, Srivatsa Vaddagiri <vatsa@in.ibm.com> wrote:
> User space queries like "what is the cpuset to which this task belongs",
> where the answer needs to be something of the form "/dev/cpuset/C1"?
> The patches address that requirement atm by having a dentry pointer in
> struct cpuset itself.

Have you posted the cpuset implementation over your system yet?

The drawback to that is that every subsystem has to add a dentry to
its state, and handle the processing.

>
> Do you see similar queries coming in for every resource controller object
> (show me the path of cpu_acct, cpu_ctl, rss_ctl ... objects to which this
> task belongs)? IMO that will not be the case, in which case we can avoid
> adding N pointers (N = max hierarchies) in nsproxy just to support queries of
> those sort.

OK, I see your argument that putting it in the aggregator probably
isn't the best thing to do from a space point of view in the case when
the number of aggregators

This seems like a place where my container_subsys_state object is
useful - it can store a pointer to the container object (and be
maintained by the generic container system), at a space cost of 1
pointer per subsystem grouping, rather than N pointers per aggregator.

Paul