
Subject: Re: [ckrm-tech] [patch00/05]: Containers(V2)- Introduction
Posted by [Chandra Seetharaman](#) on Fri, 22 Sep 2006 00:57:22 GMT
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On Thu, 2006-09-21 at 17:24 -0700, Paul Jackson wrote:

> Chandra wrote:

> > There are two (competing) memory controllers in the kernel. But, distro
> > can turn only one ON.

>

> Huh - time for me to play the dummy again ...

>

> My (fog shrouded) vision of the future has:

> 1) mempolicy - provides fine grained memory placement for task on self
> 2) cpuset - provides system wide cpu and memory placement for unrelated tasks
> 3) some form of resource groups - measures and limits proportion of various
> resources used, including cpu cycles, memory pages and network bandwidth,
> by collections of tasks.k

>

> Both (2) and (3) need to group tasks in flexible ways distinct from the
> existing task groupings supported by the kernel.

>

> I thought that Paul M suggested (2) and (3) use common underlying
> grouping or 'bucket' technology - the infrastructure that separates
> tasks into buckets and can be used to associate various resource
> metrics and limits with each bucket.

>

> I can't quite figure out whether you have in mind above:

> * a conflict between two competing memory controllers for (3),

Yes.

> * or a conflict between cpusets and one memory controller for (3).

No.

>

> And either way, I don't see what that has to do with the underling
> bucket technology - how we group tasks generically.

True. I clarified it in the reply to Paul M.

>

> Guess I am missing something ...

>

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Chandra Seetharaman | Be careful what you choose....
- sekharan@us.ibm.com |you may get it.
