
Subject: Re: [ckrm-tech] containers development plans

Posted by [serge](#) on Tue, 10 Jul 2007 16:32:12 GMT

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Quoting Paul Jackson (pj@sgi.com):

> Kirill, Serge, et al,

>

> Is it fair to say then that Paul Menage's containers are primarily
> for the purposes of managing resources, while namespaces are for the
> purposes of managing identifiers?

>

> We've got some resources, like cpu cycles, memory bytes, network
> bandwidth, that we want to allocate and account for differentially
> by groups of tasks -- that's Menage's containers.

>

> We've got some system wide namespaces, like process id's, that we
> want to virtualize, for more flexible uses -- these are the name-
> space containers.

>

> In Serge's opening post to this thread, he wrote:

> 1. namespaces

> 2. process containers

> 3. checkpoint/restart

>

> Are the 'process containers' of item (2) the containers of Paul Menage?

Yup.

> If so, then I propose that this thread is misnamed. It should not be
> "containers development plans", but rather "namespace, container and
> c/r development plans." And if so, there is really no conflict over
> the use of the word 'container' -- that applies just to the resource
> virtualization efforts, of which my cpusets is the granddaddy example,
> being generalized by Paul Menage with his container patches. The other
> work is, as Serge actually termed it in the body of his post, better
> called 'namespaces'.

>

> Perhaps the confusion arose from looking for a single word to encompass
> all three parts, listed above, of this work. The efforts have some strong

Not exactly - the "confusion" arose because the ksummit committee wanted to hear about "containers", and agreed that by that term they mean each of those three. So I kept the term 'containers' in the roadmap title, but we can change that if it's preferred.

thanks,
-serge

Containers mailing list
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