Subject: Re: [ckrm-tech] [patch00/05]: Containers(V2)- Introduction
Posted by Chandra Seetharaman on Wed, 20 Sep 2006 18:54:56 GMT
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On Wed, 2006-09-20 at 11:43 -0700, Paul Menage wrote:
> On 9/20/06, Chandra Seetharaman <sekharan@us.ibm.com> wrote:
> > > We already have such a functionality in the kernel its called a cpuset. A
> >
> > Christoph,
> >
> > There had been multiple discussions in the past (as recent as Aug 18,
> > 2006), where we (Paul and CKRM/RG folks) have concluded that cpuset and
> > resource management are orthogonal features.
> >
> > cpuset provides "resource isolation", and what we, the resource
> > management guys want is work-conserving resource control.
>
> CPUset provides two things:
>
> - a generic process container abstraction
>
> - "resource controllers" for CPU masks and memory nodes.
>
> Rather than adding a new process container abstraction, wouldn't it
> make more sense to change cpuset to make it more extensible (more
> separation between resource controllers), possibly rename it to
> "containers", and let the various resource controllers fight it out
> (e.g. zone/node-based memory controller vs multiple LRU controller,
> CPU masks vs a properly QoS-based CPU scheduler, etc)
>
> Or more specifically, what would need to be added to cpusets to make
> it possible to bolt the CKRM/RG resource controllers on to it?

Paul,

We had this discussion more than 18 months back and concluded that it is
not the right thing to do. Here is the link to the thread:

http://marc.theaimsgroup.com/?t=109173653100001&r=1& w=2

chandra
>
> Paul
>
> ---------- ----------
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> _____
> ckrm-tech mailing list
> https://lists.sourceforge.net/lists/listinfo/ckrm-tech
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Chandra Seetharaman | Be careful what you choose....
- sekharan@us.ibm.com | .....you may get it.
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