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Subject: Re: [ckrm-tech] [PATCH 0/2] resource control file system - aka containers on top of nsproxy!

Posted by [serue](#) on Mon, 12 Mar 2007 17:25:57 GMT

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Quoting Srivatsa Vaddagiri (vatsa@in.ibm.com):

> On Mon, Mar 12, 2007 at 10:56:43AM -0500, Serge E. Hallyn wrote:

> > What's wrong with that?

>

> I had been asking around on "what is the fundamental unit of res mgmt for vservers" and the answer I got (from Herbert) was "all tasks that are in the same pid namespace". From what you are saying above, it seems to be that there is no such "fundamental" unit. It can be a random mixture of tasks (taken across vservers) whose resource consumption needs to be controlled. Is that correct?

If I'm reading it right, yes.

If for vservers the fundamental unit of res mgmt is a vserver, that can surely be done at a higher level than in the kernel.

Actually, these could be tied just by doing

```
mount -t container -o ns,cpuset /containers
```

So now any task in /containers/vserver1 or any subdirectory thereof would have the same cpuset constraints as /containers. OTOH, you could mount them separately

```
mount -t container -o ns /nsproxy
mount -t container -o cpuset /cpuset
```

and now you have the freedom to split tasks in the same vserver (under /nsproxy/vserver1) into different cpusets.

-serge

> > > echo "cid 2" > /dev/cpu/proc/tasks

> >

> > Adding that feature sounds fine,

>

> Ok yes ..that can be a optional feature.

>

> --

> Regards,

> vatsa

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Containers mailing list

