Subject: Re: Unable to remove control groups on 2.6.23-rc8-mm1
Posted by Badari Pulavarty on Wed, 26 Sep 2007 15:29:54 GMT
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On Wed, 2007-09-26 at 08:55 +0530, Balbir Singh wrote:
> Badari Pulavarty wrote:
> > Hi,
> >
> > I am playing with control groups on 2.6.23-rc8-mm1.
> >
> > I am able to mount cgroup and create subgroups. I was able
> > to move some tasks into them. But, after killing tasks I am
> > not able to remove the subgroups. Any idea on why ?
> >
> > Thanks,
> > Badari
> >
>
> Badari,
>
> We account for page cache usage as well now, I suspect you
> most likely have page/swap cache pages charged to the container.

Yep. Even after killing all the tasks and "echo 1 > drop_caches"
some memory still accounted for on this group.

elm3b155:/dev/cgroup # cat zzz/memory.usage_in_bytes
131072

> You can try several options (some documented in Documentation/
> controllers/memory.txt)
>
> 1. Try executing sync; echo 1 > /proc/sys/vm/drop_caches
>   and then remove the directory
> 2. Prior to assigning tasks, set memory.control_type to 1,
>   that tracks only RSS pages. You'll find memory.usage_in_bytes
>   go to zero as soon as all the tasks exit

This helped.

> 3. Set notify_on_release and use the release_agent and releasable
>   to free the container once all pages charged to it are freed.
>
> I wonder if I should provide a force_reclaim (hard to guarantee
> it will work) for each container, so that the container can
> be freed.
>

BTW, how do I detach a "pid" from the cgroup ?

Thanks,
Badari

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