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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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Containers mailing list  
Containers@lists.linux-foundation.org  
<https://lists.linux-foundation.org/mailman/listinfo/containers>

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