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Subject: Re: Unable to remove control groups on 2.6.23-rc8-mm1  
Posted by [Balbir Singh](#) on Wed, 26 Sep 2007 03:25:31 GMT  
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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.

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
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.

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Warm Regards,  
Balbir Singh  
Linux Technology Center  
IBM, ISTL

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Containers mailing list  
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