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Subject: Re: [RFD][PATCH] memcg: Move Usage at Task Move  
Posted by [KAMEZAWA Hiroyuki](#) on Wed, 11 Jun 2008 08:26:37 GMT  
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On Wed, 11 Jun 2008 01:04:14 -0700

"Paul Menage" <menage@google.com> wrote:

> An alternative way to support that would be to do nothing at move  
> time, but provide a "pull\_usage" control file that would slurp any  
> pages in any mm in the cgroup into the cgroup.  
> > >  
> > > One reason is that I think a typical usage of memory controller is  
> > > fork()->move->exec(). (by libcg ?) and exec() will flush the all usage.  
> > >  
> > > Exactly - this is a good reason \*not\* to implement move - because then  
> > > you drag all the usage of the middleware daemon into the new cgroup.  
> > >  
> > > Yes but this is one of the usage of cgroup. In general, system admin can  
> > > use this for limiting memory on his own decision.  
> > >  
> > >  
> Sorry, your last sentence doesn't make sense to me in this context.  
>  
Sorry. try another sentence..

I think cgroup itself is designed to be able to be used without middleware.  
IOW, whether using middleware or not is the matter of users not of developers.  
There will be a system that system admin controls all and move tasks by hand.  
ex)...personal notebooks etc..

> If the common mode for middleware starting a new cgroup is fork() /  
> move / exec() then after the fork(), the child will be sharing pages  
> with the main daemon process. So the move will pull all the daemon's  
> memory into the new cgroup  
>  
My patch (this patch) just moves Private Anon page to new cgroup. (of mapcount=1)

> > yes. but, at first, I'll try no-rollback approach.  
> > And can I move memory resource controller's subsys\_id to the last for now ?  
> >  
>  
> That's probably fine for experimentation, but it wouldn't be something  
> we'd want to commit to -mm or mainline.  
>

Hmm, I'd like to post a patch to add "rollback" to cgroup if I find it necessary.

My first purpose of this post is showing the problem and starting discussion.  
Anyway, I will remove "RFC" only when I got enough number of Acks.

Thanks,  
-Kame

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Containers mailing list  
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