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Subject: Re: Question : memrlimit cgroup's task\_move (2.6.26-rc5-mm3)  
Posted by [KAMEZAWA Hiroyuki](#) on Thu, 19 Jun 2008 10:19:05 GMT  
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On Thu, 19 Jun 2008 12:24:29 +0900  
KAMEZAWA Hiroyuki <kamezawa.hiroyu@jp.fujitsu.com> wrote:

> On Thu, 19 Jun 2008 08:43:43 +0530  
> Balbir Singh <balbir@linux.vnet.ibm.com> wrote:  
>  
> >  
> > > I think the charge of the new group goes to minus. right ?  
> > > (and old group's charge never goes down.)  
> > > I don't think this is "no problem".  
> > >  
> > > What kind of patch is necessary to fix this ?  
> > > task\_attach() should be able to fail in future ?  
> > >  
> > > I'm sorry if I misunderstand something or this is already in TODO list.  
> > >  
> > >  
> > It's already on the TODO list. Thanks for keeping me reminded about it.  
> >  
> Okay, I'm looking forward to see how can\_attach and roll-back(if necessary)  
> is implemented.  
> As you know, I'm interested in how to handle failure of task move.  
>  
One more thing...  
Now, charge is done at

- vm is inserted (special case?)
- vm is expanded (mmap is called, stack growth...)

And uncharge is done at

- vm is removed (success of munmap)
- exit\_mm is called (exit of process)

But it seems charging at may\_expand\_vm() is not good.  
The mmap can fail after may\_expand\_vm() because of various reason,  
but charge is already done at may\_expand\_vm()....and no roll-back.

== an easy example of leak in stack growth handling ==  
[root@iridium kamezawa]# cat /opt/cgroup/test/memrlimit.usage\_in\_bytes  
71921664  
[root@iridium kamezawa]# ulimit -s 3  
[root@iridium kamezawa]# ls  
Killed  
[root@iridium kamezawa]# ls

```
Killed
[root@iridium kamezawa]# ls
Killed
[root@iridium kamezawa]# ls
Killed
[root@iridium kamezawa]# ls
Killed
[root@iridium kamezawa]# ulimit -s unlimited
[root@iridium kamezawa]# cat /opt/cgroup/test/memrlimit.usage_in_bytes
72368128
[root@iridium kamezawa]#
==
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Thanks,  
-Kame

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

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