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Subject: Re: Question : memrlimit cgroup's task\_move (2.6.26-rc5-mm3)

Posted by [Balbir Singh](#) on Thu, 19 Jun 2008 03:13:43 GMT

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KAMEZAWA Hiroyuki wrote:

> I used memrlimit cgroup at the first time.

>

> May I ask a question about memrlimit cgroup ?

>

> In following

> ==

```
> static void memrlimit_cgroup_move_task(struct cgroup_subsys *ss,
```

```
>         struct cgroup *cgrp,
```

```
>         struct cgroup *old_cgrp,
```

```
>         struct task_struct *p)
```

```
> {
```

```
>     struct mm_struct *mm;
```

```
>     struct memrlimit_cgroup *memrcg, *old_memrcg;
```

```
>
```

```
> <snip>
```

```
>     if (res_counter_charge(&memrcg->as_res, (mm->total_vm << PAGE_SHIFT)))
```

```
>         goto out;
```

```
>     res_counter_uncharge(&old_memrcg->as_res, (mm->total_vm << PAGE_SHIFT));
```

```
> ==
```

> This is a callback for task\_attach(). and this never fails.

>

> What happens when the moved task, which move-of-charge fails, exits ?

>

Good question - I am working on this, some of the logic should move to can\_attach(). I'll try and experiment with it and send out a fix.

> ==

```
> % mkdir /dev/cgroup/memrlimit/group_01
```

```
> % mkdir /dev/cgroup/memrlimit/group_02
```

```
> % echo 1G > /dev/cgroup/memrlimit/group_01/memrlimit.limit_in_bytes
```

```
> % echo 0 > /dev/cgroup/memrlimit/group_02/memrlimit.limit_in_bytes
```

```
> % echo $$ > /dev/cgroup/memrlimit/group_01/tasks
```

```
> % echo $$ > /dev/cgroup/memrlimit/group_02/tasks
```

```
> % exit
```

```
> == you'll see WARNING ==
```

>

> 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.

--

Warm Regards,  
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Containers mailing list  
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