
Subject: Re: [PATCH v6 10/10] Disable task moving when using kernel memory accounting

Posted by [KAMEZAWA Hiroyuki](#) on Mon, 28 Nov 2011 04:32:03 GMT

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On Fri, 25 Nov 2011 15:38:16 -0200

Glauber Costa <glommer@parallels.com> wrote:

```
> Since this code is still experimental, we are leaving the exact
> details of how to move tasks between cgroups when kernel memory
> accounting is used as future work.
>
> For now, we simply disallow movement if there are any pending
> accounted memory.
>
> Signed-off-by: Glauber Costa <glommer@parallels.com>
> CC: Hiroyuki Kamezawa <kamezawa.hiroyu@jp.fujitsu.com>
> ---
> mm/memcontrol.c | 23 ++++++
> 1 files changed, 22 insertions(+), 1 deletions(-)
>
> diff --git a/mm/memcontrol.c b/mm/memcontrol.c
> index 2df5d3c..ab7e57b 100644
> --- a/mm/memcontrol.c
> +++ b/mm/memcontrol.c
> @@ -5451,10 +5451,19 @@ static int mem_cgroup_can_attach(struct cgroup_subsys *ss,
> {
>     int ret = 0;
>     struct mem_cgroup *mem = mem_cgroup_from_cont(cgroup);
>     struct mem_cgroup *from = mem_cgroup_from_task(p);
> +
> + #if defined(CONFIG_CGROUP_MEM_RES_CTLR_KMEM) && defined(CONFIG_INET)
> + if (from != mem && !mem_cgroup_is_root(from) &&
> +     res_counter_read_u64(&from->tcp_mem.tcp_memory_allocated, RES_USAGE)) {
> +     printk(KERN_WARNING "Can't move tasks between cgroups: "
> +         "Kernel memory held. task: %s\n", p->comm);
> +     return 1;
> + }
> + #endif
```

Hmm, the kernel memory is not guaranteed as being held by the 'task' ?

How about

"Now, moving task between cgroup is disallowed while the source cgroup contains kmem reference." ?

Hmm.. we need to fix this task-move/rmdir issue before production use.

Thanks,
-Kame
