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Subject: Re: [PATCH] memcg: Do not open code accesses to res\_counter members

Posted by [Michal Hocko](#) on Wed, 21 Mar 2012 13:26:23 GMT

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On Tue 20-03-12 20:53:44, Glauber Costa wrote:

> We should use the accessor res\_counter\_read\_u64 for that.  
> Although a purely cosmetic change is sometimes better of delayed,  
> to avoid conflicting with other people's work, we are starting to  
> have people touching this code as well, and reproducing the open  
> code behavior because that's the standard =)  
>  
> Time to fix it, then.

Looks good to me

Acked-by: Michal Hocko <[mhocko@suse.cz](mailto:mhocko@suse.cz)>

Thanks

>  
> Signed-off-by: Glauber Costa <[glommer@parallels.com](mailto:glommer@parallels.com)>  
> Cc: Johannes Weiner <[hannes@cmpxchg.org](mailto:hannes@cmpxchg.org)>  
> Cc: Michal Hocko <[mhocko@suse.cz](mailto:mhocko@suse.cz)>  
> Cc: KAMEZAWA Hiroyuki <[kamezawa.hiroyu@jp.fujitsu.com](mailto:kamezawa.hiroyu@jp.fujitsu.com)>  
> ---  
> mm/memcontrol.c | 4 +---  
> 1 files changed, 2 insertions(+), 2 deletions(-)  
>  
> diff --git a/mm/memcontrol.c b/mm/memcontrol.c  
> index 87a1e21..27c1bfa 100644  
> --- a/mm/memcontrol.c  
> +++ b/mm/memcontrol.c  
> @@ -3708,7 +3708,7 @@ move\_account:  
> goto try\_to\_free;  
> cond\_resched();  
> /\* "ret" should also be checked to ensure all lists are empty. \*/  
> - } while (memcg->res.usage > 0 || ret);  
> + } while (res\_counter\_read\_u64(&memcg->res, RES\_USAGE) > 0 || ret);  
> out:  
> css\_put(&memcg->css);  
> return ret;  
> @@ -3723,7 +3723,7 @@ try\_to\_free:  
> lru\_add\_drain\_all();  
> /\* try to free all pages in this cgroup \*/  
> shrink = 1;  
> - while (nr\_retries && memcg->res.usage > 0) {  
> + while (nr\_retries && res\_counter\_read\_u64(&memcg->res, RES\_USAGE) > 0) {  
> int progress;  
>

```
>   if (signal_pending(current)) {  
> --  
> 1.7.7.6  
>  
> --  
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> the body to majordomo@kvack.org. For more info on Linux MM,  
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