
Subject: Re: [PATCH v2 02/11] memcg: Reclaim when more than one page needed.

Posted by [Glauber Costa](#) on Mon, 13 Aug 2012 08:05:38 GMT

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On 08/10/2012 10:54 PM, Michal Hocko wrote:

> On Thu 09-08-12 17:01:10, Glauber Costa wrote:

>> From: Suleiman Souhlal <ssouhlal@FreeBSD.org>

>>

>> mem_cgroup_do_charge() was written before kmem accounting, and expects

>> three cases: being called for 1 page, being called for a stock of 32

>> pages, or being called for a hugepage. If we call for 2 or 3 pages (and

>> both the stack and several slabs used in process creation are such, at

>> least with the debug options I had), it assumed it's being called for

>> stock and just retried without reclaiming.

>>

>> Fix that by passing down a minsize argument in addition to the csize.

>>

>> And what to do about that (csize == PAGE_SIZE && ret) retry? If it's

>> needed at all (and presumably is since it's there, perhaps to handle

>> races), then it should be extended to more than PAGE_SIZE, yet how far?

>> And should there be a retry count limit, of what? For now retry up to

>> COSTLY_ORDER (as page_alloc.c does) and make sure not to do it if

>> __GFP_NORETRY.

>>

>> [v4: fixed nr pages calculation pointed out by Christoph Lameter]

>>

>> Signed-off-by: Suleiman Souhlal <suleiman@google.com>

>> Signed-off-by: Glauber Costa <glommer@parallels.com>

>> Reviewed-by: Kamezawa Hiroyuki <kamezawa.hiroyu@jp.fujitsu.com>

>

> I am not happy with the min_pages argument but we can do something more
> clever later.

>

> Aacked-by: Michal Hocko <mhocko@suse.cz>

>

I am a bit confused here. Does your ack come before or after your other comments on this patch?
