
Subject: Re: [PATCH 02/10] memcg: Uncharge all kmem when deleting a cgroup.
Posted by [Suleiman Souhlal](#) on Wed, 29 Feb 2012 19:00:23 GMT
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On Tue, Feb 28, 2012 at 10:22 PM, KAMEZAWA Hiroyuki
<kamezawa.hiroyu@jp.fujitsu.com> wrote:
> On Mon, 27 Feb 2012 14:58:45 -0800
> Suleiman Souhlal <ssouhlal@FreeBSD.org> wrote:
>
>> A later patch will also use this to move the accounting to the root
>> cgroup.
>>
>> Signed-off-by: Suleiman Souhlal <suleiman@google.com>
>> ---
>> mm/memcontrol.c | 30 ++++++
>> 1 files changed, 29 insertions(+), 1 deletions(-)
>>
>> diff --git a/mm/memcontrol.c b/mm/memcontrol.c
>> index 11e31d6..6f44fcb 100644
>> --- a/mm/memcontrol.c
>> +++ b/mm/memcontrol.c
>> @@ -378,6 +378,7 @@ static void mem_cgroup_get(struct mem_cgroup *memcg);
>> static void mem_cgroup_put(struct mem_cgroup *memcg);
>> static void memcg_kmem_init(struct mem_cgroup *memcg,
>> struct mem_cgroup *parent);
>> +static void memcg_kmem_move(struct mem_cgroup *memcg);
>>
>> /* Writing them here to avoid exposing memcg's inner layout */
>> #ifdef CONFIG_CGROUP_MEM_RES_CTLR_KMEM
>> @@ -3674,6 +3675,7 @@ static int mem_cgroup_force_empty(struct mem_cgroup *memcg,
>> bool free_all)
>> int ret;
>> int node, zid, shrink;
>> int nr_retries = MEM_CGROUP_RECLAIM_RETRIES;
>> + unsigned long usage;
>> struct cgroup *cgrp = memcg->css.cgroup;
>>
>> css_get(&memcg->css);
>> @@ -3693,6 +3695,8 @@ move_account:
>> /* This is for making all *used* pages to be on LRU. */
>> lru_add_drain_all();
>> drain_all_stock_sync(memcg);
>> + if (!free_all)
>> + memcg_kmem_move(memcg);
>> ret = 0;
>> mem_cgroup_start_move(memcg);
>> for_each_node_state(node, N_HIGH_MEMORY) {
>> @@ -3714,8 +3718,13 @@ move_account:

```
>>         if (ret == -ENOMEM)
>>             goto try_to_free;
>>         cond_resched();
>> +         usage = memcg->res.usage;
>> + #ifdef CONFIG_CGROUP_MEM_RES_CTLR_KMEM
>> +         if (free_all && !memcg->independent_kmem_limit)
>> +             usage -= memcg->kmem_bytes.usage;
>> + #endif
>
> Why we need this even if memcg_kmem_move() does uncharge ?
```

We need it when manually calling force_empty.

-- Suleiman
