
Subject: Re: [PATCH v3 11/16] memcg: destroy memcg caches

Posted by [Tejun Heo](#) on Fri, 21 Sep 2012 20:22:20 GMT

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Hello, Glauber.

On Tue, Sep 18, 2012 at 06:12:05PM +0400, Glauber Costa wrote:

```
> +static LIST_HEAD(destroyed_caches);
> +
> +static void kmem_cache_destroy_work_func(struct work_struct *w)
> +{
> + struct kmem_cache *cachep;
> + struct mem_cgroup_cache_params *p, *tmp;
> + unsigned long flags;
> + LIST_HEAD(del_unlocked);
> +
> + spin_lock_irqsave(&cache_queue_lock, flags);
> + list_for_each_entry_safe(p, tmp, &destroyed_caches, destroyed_list) {
> +  cachep = container_of(p, struct kmem_cache, memcg_params);
> +  list_move(&cachep->memcg_params.destroyed_list, &del_unlocked);
> + }
> + spin_unlock_irqrestore(&cache_queue_lock, flags);
> +
> + list_for_each_entry_safe(p, tmp, &del_unlocked, destroyed_list) {
> +  cachep = container_of(p, struct kmem_cache, memcg_params);
> +  list_del(&cachep->memcg_params.destroyed_list);
> +  if (!atomic_read(&cachep->memcg_params.nr_pages)) {
> +   mem_cgroup_put(cachep->memcg_params.memcg);
> +   kmem_cache_destroy(cachep);
> + }
> + }
> +}
> +static DECLARE_WORK(kmem_cache_destroy_work, kmem_cache_destroy_work_func);
```

Again, please don't build your own worklist. Just embed a work item into mem_cgroup_cache_params and manipulate them. No need to duplicate what workqueue already implements.

Thanks.

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tejun
