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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

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