
Subject: Re: [PATCH v5 09/14] memcg: kmem accounting lifecycle management
Posted by [David Rientjes](#) on Wed, 17 Oct 2012 23:28:38 GMT
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On Tue, 16 Oct 2012, Glauber Costa wrote:

```
> diff --git a/mm/memcontrol.c b/mm/memcontrol.c
> index 1182188..e24b388 100644
> --- a/mm/memcontrol.c
> +++ b/mm/memcontrol.c
> @@ -344,6 +344,7 @@ struct mem_cgroup {
> /* internal only representation about the status of kmem accounting. */
> enum {
> KMEM_ACCOUNTED_ACTIVE = 0, /* accounted by this cgroup itself */
> + KMEM_ACCOUNTED_DEAD, /* dead memcg, pending kmem charges */
```

"dead memcg with pending kmem charges" seems better.

```
> };
>
> #define KMEM_ACCOUNTED_MASK (1 << KMEM_ACCOUNTED_ACTIVE)
> @@ -353,6 +354,22 @@ static void memcg_kmem_set_active(struct mem_cgroup *memcg)
> {
> set_bit(KMEM_ACCOUNTED_ACTIVE, &memcg->kmem_accounted);
> }
> +
> +static bool memcg_kmem_is_active(struct mem_cgroup *memcg)
> +{
> + return test_bit(KMEM_ACCOUNTED_ACTIVE, &memcg->kmem_accounted);
> +}
```

I think all of these should be inline.

```
> +
> +static void memcg_kmem_mark_dead(struct mem_cgroup *memcg)
> +{
> + if (test_bit(KMEM_ACCOUNTED_ACTIVE, &memcg->kmem_accounted))
> + set_bit(KMEM_ACCOUNTED_DEAD, &memcg->kmem_accounted);
> +}
```

The set_bit() doesn't happen atomically with the test_bit(), what synchronization is required for this?
