
Subject: Re: [PATCH v5 07/14] mm: Allocate kernel pages to the right memcg
Posted by [akpm](#) on Thu, 18 Oct 2012 20:44:57 GMT

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On Thu, 18 Oct 2012 13:24:47 +0400

Glauber Costa <glommer@parallels.com> wrote:

> On 10/18/2012 02:12 AM, Andrew Morton wrote:

> > On Tue, 16 Oct 2012 14:16:44 +0400

> > Glauber Costa <glommer@parallels.com> wrote:

> >

> >> When a process tries to allocate a page with the `__GFP_KMEMCG` flag, the

> >> page allocator will call the corresponding memcg functions to validate

> >> the allocation. Tasks in the root memcg can always proceed.

> >>

> >> To avoid adding markers to the page - and a kmem flag that would

> >> necessarily follow, as much as doing `page_cgroup` lookups for no reason,

> >> whoever is marking its allocations with `__GFP_KMEMCG` flag is responsible

> >> for telling the page allocator that this is such an allocation at

> >> `free_pages()` time.

> >

> > Well, why? Was that the correct decision?

> >

>

> I don't fully understand your question. Is this the same question you

> posed in patch 0, about marking some versus marking all? If so, I

> believe I should have answered it there.

Yes, it's the same question. The one which has not yet been fully answered ;)
