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Subject: Re: [PATCH v3 05/16] consider a memcg parameter in  
kmem\_create\_cache

Posted by [Michal Hocko](#) on Tue, 02 Oct 2012 14:46:10 GMT

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On Tue 18-09-12 18:11:59, Glauber Costa wrote:

- > Allow a memcg parameter to be passed during cache creation.
- > When the slub allocator is being used, it will only merge
- > caches that belong to the same memcg.
- >
- > Default function is created as a wrapper, passing NULL
- > to the memcg version. We only merge caches that belong
- > to the same memcg.
- >
- > From the memcontrol.c side, 3 helper functions are created:
- >
- > 1) memcg\_css\_id: because slub needs a unique cache name
- > for sysfs. Since this is visible, but not the canonical
- > location for slab data, the cache name is not used, the
- > css\_id should suffice.
- >
- > 2) mem\_cgroup\_register\_cache: is responsible for assigning
- > a unique index to each cache, and other general purpose
- > setup. The index is only assigned for the root caches. All
- > others are assigned index == -1.

It would be nice to describe what is memcg\_params.id intended for. There  
is no usage in this patch (except for create\_unique\_id in slub).

I guess that by root caches you mean all default caches with  
memcg==NULL, right?

[...]

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