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Subject: Re: [RFC 1/4] memcg: provide root figures from system totals  
Posted by [Glauber Costa](#) on Tue, 02 Oct 2012 09:15:43 GMT

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On 10/01/2012 09:00 PM, Michal Hocko wrote:

> On Tue 25-09-12 12:52:50, Glauber Costa wrote:

>> > For the root memcg, there is no need to rely on the res\_counters.

> This is true only if there are no children groups but once there is at

> least one we have to move global statistics into root res\_counter and

> start using it since then. This is a tricky part because it has to be

> done atomically so that we do not miss anything.

>

Why can't we shortcut it all the time?

It makes a lot of sense to use the root cgroup as the sum of everything, IOW, global counters. Otherwise you are left in a situation where you had global statistics, and all of a sudden, when a group is created, you start having just a subset of that, excluding the tasks in root.

If we can always assume root will have the sum of \*all\* tasks, including the ones in root, we should never need to rely on root res\_counters.

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