
Subject: Re: [PATCH 0/5] Kernel memory accounting container (v5)

Posted by [Paul Menage](#) on Fri, 05 Oct 2007 07:11:30 GMT

[View Forum Message](#) <> [Reply to Message](#)

On 10/2/07, Pavel Emelyanov <xemul@openvz.org> wrote:

>

> Such a lookup would require a hashtable or something similar. We already
> have such a bad experience (with OpenVZ RSS fractions accounting for
> example). Hash lookups imply the CPU caches screwup and hurt the performance.
> See also the comment below.

I think you could do it with an array lookup if you assigned an index
to each cache as it was created, and used that as an offset into a
per-cgroup array.

>

> I thought the same some time ago and tried to make a per-beancounter kmem
> caches. The result was awful - the memory waste was much larger than in the
> case of pointer-per-object approach.

OK, fair enough.

Was this with a large number of bean counters? I imagine that with a
small number, the waste might be rather more reasonable.

Paul
