Subject: Re: [ckrm-tech] [RFC][PATCH 5/7] UBC: kernel memory accounting (core)
Posted by Rohit Seth on Thu, 17 Aug 2006 16:31:48 GMT
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On Wed, 2006-08-16 at 12:59 -0700, Dave Hansen wrote:
> On Wed, 2006-08-16 at 12:15 -0700, Rohit Seth wrote:
> > My preference would be to have container (I keep on saying container,
> > but resource beancounter) pointer embeded in task, mm(not sure),
> > address_space and anon_vma structures.
>
> Hmm. If we can embed it in the mm, then we can get there from any given
> anon_vma (or any pte for that matter). Here's a little prototype for
> doing just that:
>
> http://www.sr71.net/patches/2.6.18/2.6.18-rc4-mm1-lxc1/broke n-out/modify-lru-walk.patch
>
> See file/anon_page_has_naughty_cpuset(). Anybody see any basic problems
> with doing it that way?
>
> One trick with putting it in an mm is that we don't have a direct
> relationship between processes and mm's. We could also potentially have
> two different threads of a process in two different accounting contexts.
> But, that might be as simple to fix as disallowing things that share mms
> from being in different accounting contexts, unless you unshare the mm.

But anon_vmas could be shared across different processes (with different
mms).

-rohit