Subject: Re: [ckrm-tech] [RFC][PATCH 5/7] UBC: kernel memory accounting (core)
Posted by Dave Hansen on Wed, 16 Aug 2006 19:59:29 GMT
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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.

-- Dave