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Subject: Re: [ckrm-tech] [PATCH 4/7] UBC: syscalls (user interface)

Posted by [Magnus Damm](#) on Mon, 21 Aug 2006 02:47:06 GMT

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On Fri, 2006-08-18 at 07:45 -0700, Dave Hansen wrote:

> On Fri, 2006-08-18 at 12:08 +0400, Andrey Savochkin wrote:

> >

> > A) Have separate memory management for each container,

> > with separate buddy allocator, lru lists, page replacement mechanism.

> > That implies a considerable overhead, and the main challenge there

> > is sharing of pages between these separate memory managers.

>

> Hold on here for just a sec...

>

> It is quite possible to do memory management aimed at one container

> while that container's memory still participates in the main VM.

>

> There is overhead here, as the LRU scanning mechanisms get less

> efficient, but I'd rather pay a penalty at LRU scanning time than divide

> up the VM, or coarsely start failing allocations.

This could of course be solved with one LRU per container, which is how the CKRM memory controller implemented things about a year ago.

/ magnus

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