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

Posted by [Rohit Seth](#) on Tue, 22 Aug 2006 01:16:19 GMT

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On Mon, 2006-08-21 at 11:47 +0900, Magnus Damm wrote:

> 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.

Effectively Andrew's idea of faking up nodes is also giving per container LRUs.

-rohit

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