Subject: Re: [patch02/05]: Containers(V2)- Generic Linux kernel changes
Posted by Rohit Seth on Wed, 20 Sep 2006 18:19:37 GMT
View Forum Message <> Reply to Message

On Wed, 2006-09-20 at 20:14 +0200, Andi Kleen wrote:
> On Wednesday 20 September 2006 18:44, Rohit Seth wrote:
> > On Wed, 2006-09-20 at 13:27 +0200, Andi Kleen wrote:
> > > Rohit Seth <rohitseth@google.com> writes:
> > > > */
> > > > +#ifdef CONFIG_CONTAINERS
> > > > + struct container_struct *ctn; /* Pointer to container, may be NULL */
> > > > +#endif
> > >
> > > I still don't think it's a good idea to add a pointer to struct page for this.
> >
> > I thought last time you supported adding a pointer to struct page (when
> > you mentioned next gen slab will also consume page->mapping).
>
> I didn't. Alternative was a separate data structure.
>
> > which one...I think the fields in page structure are already getting
> > doubly used.
>
> There are lots of different cases. At least for anonymous memory
> ->mapping should be free. Perhaps that could be used for anonymous
> memory and a separate data structure for the important others.
>

It is not free for anonymous memory as it is overloaded with pointer to
anon_vma. I think one single pointer consistent across all page usages
is just so much cleaner and simple...

> slab should have at least one field free too, although it might be a different
> one (iirc Christoph's rewrite uses more than the current slab, but it would
> surprise me if he needed all)
>
> > > BTW your patchkit seems to be also in wrong order in that when 02 is applied
> > > it won't compile.
> >
> > Not sure if I understood that. I've myself tested these patches on
> > 2.6.18-rc6-mm2 kernel and they apply just fine. Are you just trying to
> > apply 02....if so then that wouldn't suffice.
>
> I meant assuming the patchkit was applied you would break binary search
> inbetween because not each piece compiles on its own.

I've currently separated the patches based on where the changes are made

and something that makes each a logical block. I will reorder the patches next time so that each subsequent patch compiles.

-rohit