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Subject: Re: [patch02/05]: Containers(V2)- Generic Linux kernel changes  
Posted by [Rohit Seth](#) on Wed, 20 Sep 2006 18:19:37 GMT

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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 O2 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 O2....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

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