
Subject: Re: [PATCH 0/5] Kernel memory accounting container (v5)

Posted by [Balbir Singh](#) on Mon, 01 Oct 2007 14:12:59 GMT

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Pavel Emelyanov wrote:

> Changes since v.4:

- > * make SLAB_NOTIFY caches mark pages as SlabDebug. That
- > makes the interesting paths simpler (thanks to Christoph);
- > * the change above caused appropriate changes in "turn
- > notifications on" path - all available pages must become
- > SlabDebug and page's freelists must be flushed;
- > * added two more events - "on" and "off" to make kmalloc
- > caches disabling more gracefully;
- > * turning notifications "off" is marked as "TODO". Right
- > now it's hard w/o massive rework of slub.c in respect to
- > full slabs handling.

>

> Changes since v.3:

- > * moved alloc/free notification into slow path and make
- > "notify-able" caches walk this path always;
- > * introduced some optimization for the case, when there's
- > only one listener for SLUB events (saves more that 10%
- > of performance);
- > * ported on 2.6.23-rc6-mm1 tree.

>

> Changes since v.2:

- > * introduced generic notifiers for slub. right now there
- > are only events, needed by accounting, but this set can
- > be extended in the future;
- > * moved the controller core into separate file, so that
- > its extension and/or porting on sLAB will look more
- > logical;
- > * fixed this message :).

>

> Changes since v.1:

- > * fixed Paul's comment about subsystem registration;
- > * return ERR_PTR from ->create callback, not NULL;
- > * make container-to-object assignment in rcu-safe section;
- > * make turning accounting on and off with "1" and "0".

>

Hi, Pavel,

Overall, the patches look good, except for the comments noted in the other patch postings. I am going to test these patches and see how they hold out.

--

Warm Regards,
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