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Subject: Re: [PATCH v5 04/18] slab: don't preemptively remove element from list in cache destroy

Posted by [Glauber Costa](#) on Wed, 24 Oct 2012 08:21:36 GMT

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On 10/24/2012 10:54 AM, Pekka Enberg wrote:

> On Mon, Oct 22, 2012 at 11:40 AM, Glauber Costa <glommer@parallels.com> wrote:

>> On 10/19/2012 11:34 PM, Christoph Lameter wrote:

>>> On Fri, 19 Oct 2012, Glauber Costa wrote:

>>>

>>>> I, however, see no reason why we need to do so, since we are now locked

>>>> during the whole deletion (which wasn't necessarily true before). I

>>>> propose a simplification in which we delete it only when there is no

>>>> more going back, so we don't need to add it again.

>>>

>>> Ok lets hope that holding the lock does not cause issues.

>>>

>>> Acked-by: Christoph Lameter <cl@linux.com>

>>>

>> BTW: One of the good things about this set, is that we are naturally

>> exercising cache destruction a lot more than we did before. So if there

>> is any problem, either with this or anything related to cache

>> destruction, it should at least show up a lot more frequently. So far,

>> this does not seem to cause any problems.

>

> We no longer hold the mutex the whole time after. See commit 210ed9d

> ("mm, slab: release slab\_mutex earlier in kmem\_cache\_destroy()") for

> details.

>

I will resubmit then.

It doesn't really change the spirit of the patch. I took a look at that

fix, and what it does, is it releases the mutex right after

kmem\_cache\_shutdown() succeeds. Removing from the list in there would do the trick.

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