
Subject: Re: [PATCH 8/8] Per-container pages reclamation
Posted by [Andrew Morton](#) on Thu, 31 May 2007 17:58:42 GMT
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On Thu, 31 May 2007 14:35:43 +0400
Pavel Emelianov <xemul@openvz.org> wrote:

> > Would I be correct in guessing that pages which are on the
> > per-rss-container lists are also eligible for reclaim off the traditional
> > page LRUs? If so, how does that work? When a page gets freed off the
>
> Yes. All the pages are accessible from booth - global and per-container
> LRU lists and reclamation can be performed from booth.
>
> > per-zone LRUs does it also get removed from the per-rss_container LRU? But
> > how can this be right?
>
> I don't get your idea here.

If we have a page which is on the zone LRU with refcount=1 and someone does
put_page() on it, we will take that page off the zone LRU and then actually
free the page.

I am assuming that your patches change that logic so that we will also
remove that page from the per-container LRU at the same time?

If so, the problem which I see is that, under rare circumstances, that
final put_page() will occur from interrupt context. Hence we would be
trying to remove the page from the per-container LRU at interrupt time.
But the locks which you have in there are not suited for taking from
interrupt context.
