

---

Subject: Re: [PATCH 8/8] Per-container pages reclamation  
Posted by [Andrew Morton](#) on Thu, 31 May 2007 17:58:42 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

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.

---