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Subject: Re: [RFC][-mm PATCH 6/8] Memory controller add per container LRU and reclaim (v3)

Posted by [Balbir Singh](#) on Tue, 24 Jul 2007 12:14:09 GMT

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YAMAMOTO Takashi wrote:

```
> hi,  
>  
>> +unsigned long mem_container_isolate_pages(unsigned long nr_to_scan,  
>> + struct list_head *dst,  
>> + unsigned long *scanned, int order,  
>> + int mode, struct zone *z,  
>> + struct mem_container *mem_cont,  
>> + int active)  
>> +{  
>> + unsigned long nr_taken = 0;  
>> + struct page *page;  
>> + unsigned long scan;  
>> + LIST_HEAD(mp_list);  
>> + struct list_head *src;  
>> + struct meta_page *mp;  
>> +  
>> + if (active)  
>> + src = &mem_cont->active_list;  
>> + else  
>> + src = &mem_cont->inactive_list;  
>> +  
>> + for (scan = 0; scan < nr_to_scan && !list_empty(src); scan++) {  
>> + mp = list_entry(src->prev, struct meta_page, lru);  
>> + page = mp->page;  
>> +  
>  
> - is it safe to pick the lists without mem_cont->lru_lock held?  
>  
> - what prevents mem_container_uncharge from freeing this meta_page  
> behind us?  
>  
> YAMAMOTO Takashi
```

Hi, YAMAMOTO,

We do take the lru\_lock before deleting the page from the list and in mem\_container\_move\_lists(). But, I guess like you point out page = mp->page might not be a safe operation. I'll fix the problem in the next release.

Thanks for the review,

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Containers mailing list  
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<https://lists.linux-foundation.org/mailman/listinfo/containers>

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