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Subject: Re: [-mm PATCH 6/9] Memory controller add per container LRU and reclaim (v4)

Posted by [yamamoto](#) on Tue, 31 Jul 2007 05:14:59 GMT

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```
> +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);
```

what prevents another thread from freeing mp here?

```
> +    spin_lock(&mem_cont->lru_lock);
> +    if (mp)
> +        page = mp->page;
> +    spin_unlock(&mem_cont->lru_lock);
> +    if (!mp)
> +        continue;
```

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Containers mailing list

[Containers@lists.linux-foundation.org](mailto:Containers@lists.linux-foundation.org)

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

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