Subject: Re: [PATCH 8/8] Per-container pages reclamation Posted by Balbir Singh on Tue, 24 Apr 2007 09:47:25 GMT

View Forum Message <> Reply to Message

```
Pavel Emelianov wrote:
> Implement try_to_free_pages_in_container() to free the
> pages in container that has run out of memory.
> The scan control->isolate pages() function isolates the
> container pages only.
Pavel,
I've just started playing around with these patches, I preferred
the approach of v1. Please see below
> +static unsigned long isolate_container_pages(unsigned long nr_to_scan,
> + struct list head *src, struct list head *dst,
> + unsigned long *scanned, struct zone *zone)
> +{
> + unsigned long nr taken = 0;
> + struct page *page;
> + struct page_container *pc;
> + unsigned long scan;
> + LIST_HEAD(pc_list);
> + for (scan = 0; scan < nr to scan && !list empty(src); scan++) {
> + pc = list entry(src->prev, struct page container, list);
> + page = pc->page;
> + if (page zone(page) != zone)
> + continue:
shrink_zone() will walk all pages looking for pages belonging to this
container and this slows down the reclaim quite a bit. Although we've
reused code, we've ended up walking the entire list of the zone to
find pages belonging to a particular container, this was the same
problem I had with my RSS controller patches.
> + list move(&pc->list, &pc list);
Warm Regards,
Balbir Singh
```

Linux Technology Center

Page 2 of 2 ---- Generated from OpenVZ Forum