
Subject: Re: [PATCH 4/4] swapcgroup: modify vm_swap_full for cgroup
Posted by [yamamoto](#) on Thu, 22 May 2008 06:45:07 GMT

[View Forum Message](#) <> [Reply to Message](#)

```
> @@ -1892,3 +1892,36 @@ int valid_swaphandles(swp_entry_t entry, unsigned long *offset)
>   *offset = ++toff;
>   return nr_pages? ++nr_pages: 0;
> }
> +
> +#ifdef CONFIG_CGROUP_SWAP_RES_CTRLR
> +int swap_cgroup_vm_swap_full(struct page *page)
> +{
> +    int ret;
> +    struct swap_info_struct *p;
> +    struct mem_cgroup *mem;
> +    u64 usage;
> +    u64 limit;
> +    swp_entry_t entry;
> +
> +    VM_BUG_ON(!PageLocked(page));
> +    VM_BUG_ON(!PageSwapCache(page));
> +
> +    ret = 0;
> +    entry.val = page_private(page);
> +    p = swap_info_get(entry);
> +    if (!p)
> +        goto out;
> +
> +    mem = p->memcg[swp_offset(entry)];
> +    usage = swap_cgroup_read_usage(mem) / PAGE_SIZE;
> +    limit = swap_cgroup_read_limit(mem) / PAGE_SIZE;
> +    limit = (limit < total_swap_pages) ? limit : total_swap_pages;
> +
> +    ret = usage * 2 > limit;
> +
> +    spin_unlock(&swap_lock);
> +
> +out:
> +    return ret;
> +}
> +#endif
```

shouldn't it check the global usage (nr_swap_pages) as well?

YAMAMOTO Takashi

Containers mailing list
Containers@lists.linux-foundation.org

