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Subject: Re: [PATCH] memory cgroup enhancements [1/5] force\_empty for memory cgroup

Posted by [KAMEZAWA Hiroyuki](#) on Wed, 17 Oct 2007 05:26:42 GMT

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On Wed, 17 Oct 2007 10:35:58 +0530

Balbir Singh <balbir@linux.vnet.ibm.com> wrote:

> > If the only use of this is for rmdir, why not just make it part of the  
> > rmdir operation on the memory cgroup if there are no tasks by default?

> >

>

> That's a good idea, but sometimes an administrator might want to force  
> a cgroup empty and start fresh without necessarily deleting the cgroup.

>

I'll make a "automatic force\_empty at rmdir()" patch as another patch depends on this. If we make consensus that "force\_empty interface is redundant", I'll remove it later.

> I am not convinced of this hack either, specially the statement of  
> setting count to SWAP\_CLUSTER\_MAX.

>

Just because I think there should be "unlock and rest" in this busy loop, I need some number. Should I define other number ?

as

```
#define FORCE_RECALIM_BATCH (128)
```

```
> >> + /* drop all page_cgroup in inactive_list */  
> >> + mem_cgroup_force_empty_list(mem, &mem->inactive_list);  
> >> + }
```

> >

> > This implementation as a while loop looks very suspect since  
> > mem\_cgroup\_force\_empty\_list() uses while (!list\_empty(list)) as well.  
> > Perhaps it's just easier here as

> >

```
> > if (list_empty(&mem->active_list) && list_empty(&mem->inactive_list))  
> > return 0;
```

> >

>

> Do we VM\_BUG\_ON() in case the lists are not empty after calling  
> mem\_cgroup\_force\_empty\_list()

>

Okay, I will add.

> > Reading memory.force\_empty is pretty useless, so why allow it to be read  
> > at all?

>  
> I agree, this is not required. I wonder if we could set permissions at  
> group level to mark this file as \*write only\*. We could use the new  
> read\_uint and write\_uint callbacks for reading/writing integers.  
>  
ok, will remove.

Thanks,  
-Kame

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