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Subject: Re: [RFC 2/4] memcg: high-low watermark  
Posted by [KAMEZAWA Hiroyuki](#) on Tue, 27 May 2008 09:42:15 GMT  
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On Tue, 27 May 2008 15:51:40 +0800  
Li Zefan <lizf@cn.fujitsu.com> wrote:

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> KAMEZAWA Hiroyuki wrote:
> > Add high/low watermarks to res_counter.
> > *This patch itself has no behavior changes to memory resource controller.
> >
> > Changelog: very old one -> this one (v1)
> > - watermark_state is removed and all state check is done under lock.
> > - changed res_counter_charge() interface. The only user is memory
> > resource controller. Anyway, returning -ENOMEM here is a bit strange.
> > - Added watermark enable/disable flag for someone don't want watermarks.
> > - Restarted against 2.6.25-mm1.
> > - some subsystem which doesn't want high-low watermark can work without it.
> >
> > Signed-off-by: KAMEZAWA Hiroyuki <kamezawa.hiroyu@jp.fujitsu.com>
> > From: YAMAMOTO Takashi <yamamoto@valinux.co.jp>
> >
> > ---
> > include/linux/res_counter.h | 41 ++++++
> > kernel/res_counter.c       | 66 ++++++
> > mm/memcontrol.c           | 2 -
> > 3 files changed, 99 insertions(+), 10 deletions(-)
> >
> > Index: mm-2.6.26-rc2-mm1/include/linux/res_counter.h
> > =====
> > --- mm-2.6.26-rc2-mm1.orig/include/linux/res_counter.h
> > +++ mm-2.6.26-rc2-mm1/include/linux/res_counter.h
> > @@ -16,6 +16,16 @@
> > #include <linux/cgroup.h>
> >
> > /*
> > + * status of resource counter's usage.
> > + */
> > +enum res_state {
> > + RES_BELOW_LOW, /* usage < lwmrk */
> >
> > It seems it's 'usage <= lwmrk'
> >
> > + RES_BELOW_HIGH, /* lwmrk < usage < hwmrk */
> >
> > and 'lwmrk < usage <= hwmrk'
> >
> > + RES_BELOW_LIMIT, /* hwmrk < usage < limit. */
```

>  
> and 'hwmark < usage <= limit'  
>

Thank you. I'll fix.

-Kame

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