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Subject: Re: [PATCH 1/1, v6] cgroup/freezer: add per freezer duty ratio control  
Posted by [jacob.jun.pan](#) on Thu, 10 Feb 2011 04:51:33 GMT  
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On Wed, 09 Feb 2011 11:07:59 +0800  
Li Zefan <lizf@cn.fujitsu.com> wrote:

```
> >
> > +#define FREEZER_KH_PREFIX "freezer_"
> > +static int freezer_write_param(struct cgroup *cgroup, struct
> > cftype *cft,
> > + u64 val)
> > +{
> > + struct freezer *freezer;
> > + char thread_name[32];
> > + int ret = 0;
> > +
> > + freezer = cgroup_freezer(cgroup);
> > +
> > + if (!cgroup_lock_live_group(cgroup))
> > + return -ENODEV;
> > +
> > + switch (cft->private) {
> > + case FREEZER_DUTY_RATIO:
> > + if (val >= 100 || val < 0) {
>
> val will never < 0.
good point, I will fix it.
```

```
>
> > + ret = -EINVAL;
> > + goto exit;
> > + }
> > + freezer->duty.ratio = val;
> > + break;
> > + case FREEZER_PERIOD:
> > + if (val)
> > + do_div(val, 100);
>
> Is 0 an invalid value for do_div()?
0 is valid. I was thinking about divide by 0 by mistake. will fix it.
```

```
>
> > + freezer->duty.period_pct_ms = val;
> > + break;
> > + default:
> > + BUG();
```

```

>> + }
>> +
>> + /* start/stop management kthread as needed, the rule is
>> that
>> + * if both duty ratio and period values are zero, then no
>> management
>> + * kthread is created. when both are non-zero, we create a
>> kthread
>> + * for the cgroup. When user set zero to duty ratio and
>> period again
>> + * the kthread is stopped.
>> + */
>> + if (freezer->duty.ratio && freezer->duty.period_pct_ms) {
>> + if (!freezer->fkh) {
>> +   snprintf(thread_name, 32, "%s%s",
>> FREEZER_KH_PREFIX,
>> +   cgroup->dentry->d_name.name);
>> +   freezer->fkh = kthread_run(freezer_kh,
>> (void *)cgroup,
>> +   thread_name);
>> +   if (IS_ERR(freezer_task)) {
>
> You mean IS_ERR(freezer->fkh)?
Right, same bug for PTR_ERR. will fix.

```

thanks.

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

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