
Subject: Re: [RFC][-mm] Simple stats for cpu resource controller v4

Posted by [Balaji Rao](#) on Mon, 12 May 2008 05:41:24 GMT

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On Monday 12 May 2008 08:24:45 am Li Zefan wrote:

> Balaji Rao wrote:

```
>> /*
>> @@ -3892,8 +3923,17 @@ void account_system_time(struct task_struct *p,
>> int hardirq_offset, cpustat->irq = cputime64_add(cpustat->irq, tmp);
>> else if (softirq_count())
>>   cpustat->softirq = cputime64_add(cpustat->softirq, tmp);
>> - else if (p != rq->idle)
>> + else if (p != rq->idle) {
>>   cpustat->system = cputime64_add(cpustat->system, tmp);
>> +#ifdef CONFIG_CGROUP_SCHED
>> +
>> + {
>> +   struct task_group *tg;
>> +   tg = task_group(p);
>> +   __cpu_cgroup_stat_add(tg->stat, CPU_CGROUP_STAT_STIME,
>> +     cputime_to_msecs(cputime));
>> +
>> +
> You should put this '}' after '#endif'
```

>

Yes, my mistake. Will fix it.

>> +#endif

```
>> else if (atomic_read(&rq->nr_iowait) > 0)
>>   cpustat->iowait = cputime64_add(cpustat->iowait, tmp);
>> else
>> @@ -8179,10 +8219,26 @@ static inline struct task_group *cgroup_tg(struct
>> cgroup *cgrp) struct task_group, css);
>> }
>>
>> +static void cpu_cgroup_initialize(int early)
>> +{
>> + int i;
>> + struct cpu_cgroup_stat *stat;
>> +
>> + if (!early) {
>> +   stat = kmalloc(sizeof(struct cpu_cgroup_stat)
>> +     , GFP_KERNEL);
>> +   for (i = 0; i < CPU_CGROUP_STAT_NSTATS; i++)
>> +     percpu_counter_init(
>> +       &stat->cpustat[i], 0);
>> +   init_task_group.stat = stat;
>> +
>> +}
```

```
> > +
> > static struct cgroup_subsys_state *
> > cpu_cgroup_create(struct cgroup_subsys *ss, struct cgroup *cgrp)
> > {
> >   struct task_group *tg;
> > + int i;
> >
> >   if (!cgrp->parent) {
> >     /* This is early initialization for the top cgroup */
> >     @@ -8198,6 +8254,10 @@ @@@cpu_cgroup_create(struct cgroup_subsys *ss, struct
> >       cgroup *cgrp) if (IS_ERR(tg))
> >       return ERR_PTR(-ENOMEM);
> >
> > + tg->stat = kmalloc(sizeof(struct cpu_cgroup_stat), GFP_KERNEL);
> > + for (i = 0; i < CPU_CGROUP_STAT_NSTATS; i++)
> > +   percpu_counter_init(&tg->stat->cpustat[i], 0);
> > +
> > I guess you forgot to free those things in cpu_cgroup_destroy().
> Oh. Sorry, I totally missed it.
>
> > /* Bind the cgroup to task_group object we just created */
```

--
Warm Regards,

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