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

Posted by [Balaji Rao](#) on Tue, 13 May 2008 03:30:27 GMT

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On Tuesday 13 May 2008 05:18:33 am Andrew Morton wrote:

> On Mon, 12 May 2008 01:48:37 +0530

>

> Balaji Rao <balajirao@gmail.com> wrote:

> > Hi Andrew,

> >

> > Here's a version that uses percpu_counters and which actually works. The

> > only evil it contains is the check,

> >

> > if (percpu_counter_ready) {

> > ..

> > }

>

> There's no instance of "percpu_counter_ready" in the patch so I'm a bit

> stumped.

>

Here it is. 'stat' can tell us if percpu_counters are ready or not.

```
+static void __cpu_cgroup_stat_add(struct cpu_cgroup_stat *stat,
```

```
+{
```

```
+}
```

```
+#endif
```

It's here as well.

```
+static s64 cpu_cgroup_read_stat(struct cpu_cgroup_stat *stat,
```

```
+{
```

```
+
```

```
+}
```

```
+
```

```
> > @@ -3837,6 +3858,16 @@ void account_user_time(struct task_struct *p,
```

```
> > cputime_t cputime) cpustat->nice = cputime64_add(cpustat->nice, tmp);
```

```
> > else
```

```
> >   cpustat->user = cputime64_add(cpustat->user, tmp);
```

```
> > +
```

```
> > +   /* Charge the task's group */
```

```
> > +#ifdef CONFIG_CGROUP_SCHED
```

```

>> + {
>> + struct task_group *tg;
>> + tg = task_group(p);
>> + __cpu_cgroup_stat_add(tg->stat, CPU_CGROUP_STAT_UTIME,
>> + cputime_to_msecs(cputime));
>> + }
>> +#endif
>> }
>>
>> /*
>> @@ -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));
>> + }
>> + }
>> +#endif
>
> I'd suggest that the above be turned into calls to a helper function
> which is a no-op if !CONFIG_CGROUP_SCHED.

```

OK. Will do.

--

Warm Regards,

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