

---

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

Posted by [akpm](#) on Mon, 12 May 2008 23:48:33 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

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

Balaji Rao <[balajirao@gmail.com](mailto: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.

```
> @@ -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.

---

Containers mailing list  
Containers@lists.linux-foundation.org  
<https://lists.linux-foundation.org/mailman/listinfo/containers>

---