
Subject: Re: [PATCH v3 3/6] expose fine-grained per-cpu data for cpuacct stats
Posted by [Glauber Costa](#) on Wed, 30 May 2012 10:44:48 GMT

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On 05/30/2012 02:43 PM, Peter Zijlstra wrote:

> On Wed, 2012-05-30 at 14:34 +0400, Glauber Costa wrote:

>> On 05/30/2012 02:34 PM, Peter Zijlstra wrote:

>>> On Wed, 2012-05-30 at 13:48 +0400, Glauber Costa wrote:

>>>

>>>> +static int cpuacct_stats_percpu_show(struct cgroup *cgrp, struct cftype *cft,

>>>> + struct cgroup_map_cb *cb)

>>>> +{

>>>> + struct cpuacct *ca = cgroup_ca(cgrp);

>>>> + int cpu;

>>>> +

>>>> + for_each_online_cpu(cpu) {

>>>> + do_fill_cb(cb, ca, "user", cpu, CPUTIME_USER);

>>>> + do_fill_cb(cb, ca, "nice", cpu, CPUTIME_NICE);

>>>> + do_fill_cb(cb, ca, "system", cpu, CPUTIME_SYSTEM);

>>>> + do_fill_cb(cb, ca, "irq", cpu, CPUTIME_IRQ);

>>>> + do_fill_cb(cb, ca, "softirq", cpu, CPUTIME_SOFTIRQ);

>>>> + do_fill_cb(cb, ca, "guest", cpu, CPUTIME_GUEST);

>>>> + do_fill_cb(cb, ca, "guest_nice", cpu, CPUTIME_GUEST_NICE);

>>>> + }

>>>> +

>>>> + return 0;

>>>> +}

>>>

>>> Uhm, hotplug anyone?

>> What's with hotplug ?

>

>

> Who's to say all cpus are online at this point? If you don't want to

> make the files come and go with hotplug, one should use

> for_each_possible_cpu().

>

I don't oppose that.

But I don't really parse what you mean by "make the files go away". We have just one file, with multiple entries. The entries are in key:value form, so I don't see a huge problem in having some entries disappearing.

As a matter of fact, this is exactly what happens in /proc/stat when you offline a cpu: the correspondent line will stop showing up.
