
Subject: [PATCH v3 2/6] account guest time per-cgroup as well.

Posted by [Glauber Costa](#) on Wed, 30 May 2012 09:48:33 GMT

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We already track multiple tick statistics per-cgroup, using the `task_group_account_field` facility. This patch accounts `guest_time` in that manner as well.

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CC: Peter Zijlstra <a.p.zijlstra@chello.nl>

CC: Paul Turner <pjt@google.com>

kernel/sched/core.c | 10 +++++-----
1 file changed, 4 insertions(+), 6 deletions(-)

diff --git a/kernel/sched/core.c b/kernel/sched/core.c

index 39eb601..220d416 100644

--- a/kernel/sched/core.c

+++ b/kernel/sched/core.c

@@ -2717,8 +2717,6 @@ void account_user_time(struct task_struct *p, cputime_t cputime,
static void account_guest_time(struct task_struct *p, cputime_t cputime,
cputime_t cputime_scaled)

{
- u64 *cpustat = kcpustat_this_cpu->cpustat;

-
/* Add guest time to process. */
p->utime += cputime;
p->utimescaled += cputime_scaled;
@@ -2727,11 +2725,11 @@ static void account_guest_time(struct task_struct *p, cputime_t
cputime,

/* Add guest time to cpustat. */
if (TASK_NICE(p) > 0) {
- cpustat[CPUTIME_NICE] += (__force u64) cputime;
- cpustat[CPUTIME_GUEST_NICE] += (__force u64) cputime;
+ task_group_account_field(p, CPUTIME_NICE, (__force u64) cputime);
+ task_group_account_field(p, CPUTIME_GUEST, (__force u64) cputime);
} else {
- cpustat[CPUTIME_USER] += (__force u64) cputime;
- cpustat[CPUTIME_GUEST] += (__force u64) cputime;
+ task_group_account_field(p, CPUTIME_USER, (__force u64) cputime);
+ task_group_account_field(p, CPUTIME_GUEST, (__force u64) cputime);
}
}

--
1.7.10.2
