
Subject: [PATCH v2 1/5] measure exec_clock for rt sched entities

Posted by [Glauber Costa](#) on Mon, 09 Apr 2012 22:25:11 GMT

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

For simetry with the cfq tasks, measure exec_clock for the rt sched entities (rt_se).

This can be used in a number of fashions. For instance, to compute total cpu usage in a cgroup that is generated by rt tasks.

Signed-off-by: Glauber Costa <glommer@parallels.com>

kernel/sched/rt.c | 5 +++++

kernel/sched/sched.h | 1 +

2 files changed, 6 insertions(+), 0 deletions(-)

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

index 44af55e..02869a9 100644

--- a/kernel/sched/rt.c

+++ b/kernel/sched/rt.c

@@ -919,6 +919,11 @@ static void update_curr_rt(struct rq *rq)

 sched_rt_avg_update(rq, delta_exec);

+ for_each_sched_rt_entity(rt_se) {

+ rt_rq = rt_rq_of_se(rt_se);

+ schedstat_add(rt_rq, exec_clock, delta_exec);

+ }

+

 if (!rt_bandwidth_enabled())

 return;

diff --git a/kernel/sched/sched.h b/kernel/sched/sched.h

index fb3acba..b8bcd147 100644

--- a/kernel/sched/sched.h

+++ b/kernel/sched/sched.h

@@ -295,6 +295,7 @@ struct rt_rq {

 struct plist_head pushable_tasks;

 #endif

 int rt_throttled;

+ u64 exec_clock;

 u64 rt_time;

 u64 rt_runtime;

 /* Nests inside the rq lock: */

--

1.7.7.6
