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Subject: Re: [PATCH v3 1/6] measure exec\_clock for rt sched entities

Posted by [Peter Zijlstra](#) on Wed, 30 May 2012 10:29:19 GMT

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

> For simetry with the cfq tasks, measure exec\_clock for the rt  
> sched entities (rt\_se).

Symmetry methinks.. anyway, where is the symmetry?, fair.c:update\_curr()  
doesn't do the for\_each\_sched\_entity() thing.

> 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>

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

> CC: Paul Turner <pjt@google.com>

> ---

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

> kernel/sched/sched.h | 1 +

> 2 files changed, 6 insertions(+)

>

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

> index c5565c3..30ee4e2 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;

See, this just makes me sad.. you now have a double  
for\_each\_sched\_rt\_entity() loop.

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