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Subject: Re: [PATCH 1/2] cgroup: Set CGRP\_RELEASABLE when adding to a cgroup

Posted by [Michael Bohan](#) on Fri, 28 Jan 2011 01:48:01 GMT

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On 1/27/2011 5:30 PM, Paul Menage wrote:

> On Thu, Jan 27, 2011 at 5:17 PM, Bryan Huntsman<bryanh@codeaurora.org> wrote:

>>

>> Tested-by: Mike Bohan<mbohan@codeaurora.org>

>>

>> I'm responding on Mike's behalf and adding him to this thread. This  
>> patch improves launch time of a test app from ~700ms to ~250ms on MSM,  
>> with much lower variance across tests. We also see UI latency  
>> improvements, but have not quantified the gains.

>>

>

> Is this attached to the wrong patch? I'd thought that it was the other  
> patch (removing the rcu\_synchronize()) that's the performance booster.  
> This one is more about preserving the semantics of the notification  
> API.

You are correct. "[PATCH 2/2] cgroup: Remove call to synchronize\_rcu in cgroup\_attach\_task" improved the performance.

To be more correct, I tested this patch (eg. "cgroup: Set CGRP\_RELEASABLE when adding to a cgroup") to the degree that it didn't appear to cause any stability or functional regressions when performing the simple benchmark procedure described above. I did also test "[PATCH 2/2] cgroup: Remove call to synchronize\_rcu in cgroup\_attach\_task" independently of this patch to verify that it alone improved the performance.

Thanks,  
Mike

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Employee of Qualcomm Innovation Center, Inc.  
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