Subject: Re: [RFC] [PATCH 0/3] Add group fairness to CFS
Posted by William Lee Irwin III on Wed, 23 May 2007 19:04:48 GMT
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* William Lee Irwin III <wli@holomorphy.com> wrote:
>> [...] sched_yield() semantics are yet another twist.

On Wed, May 23, 2007 at 08:40:35PM +0200, Ingo Molnar wrote:
> that's nonsense, sched_yield() semantics are totally uninteresting. It
> is a fundamentally broken interface.

They're not totally uninteresting. People will complain when apps
break or perform poorly due to changes in its semantics. As an
interface it may be poor and worse yet poorly specified, but it has
non-negligible effects on performance issues that can't be ignored
and that will remain the case for the foreseeable future.

The content of my comment was that the patch does something to
sched_yield() semantics, so it raises the question of what will happen
in benchmarks and other performance affairs that are sensitive to
sched_yield() semantics changes.

-- wli

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Containers mailing list
Containers@lists.linux-foundation.org
https://lists.linux-foundation.org/mailman/listinfo/containers

Subject: Re: [RFC] [PATCH 0/3] Add group fairness to CFS
Posted by Ingo Molnar on Wed, 23 May 2007 19:26:54 GMT
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* William Lee Irwin III <wli@holomorphy.com> wrote:

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> >
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> > > that's nonsense, sched_yield() semantics are totally uninteresting. It
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> [...] As an interface it may be poor and worse yet poorly specified,
> [...]

that's the only thing that matters to fundamental design questions like
this.

> The content of my comment was that the patch does something to
> sched_yield() semantics, so it raises the question of what will happen
> in benchmarks and other performance affairs that are sensitive to
> sched_yield() semantics changes.

the correct aproach to the "sys_sched_yield() is an API that sucks"
problem is to simply _not use it_. User-space is figuring that out now,
fortunately.

Ingo

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