Subject: Re: [PATCH 1/1, v9] cgroup/freezer: add per freezer duty ratio control
Posted by Matt Helsley on Wed, 16 Feb 2011 03:23:21 GMT
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On Tue, Feb 15, 2011 at 04:38:12PM -0800, Jacob Pan wrote:
> On Wed, 16 Feb 2011 01:00:15 +0100
> "Rafael J. Wysocki" <rjw@sisk.pl> wrote:

<snip>

> > Well, quite frankly, I'm not going to take this patch unless it gets
> > an ACK from the scheduler people (which I'm guessing is not going to
> > happen before hell freezes over).
> >
> > IOW, please find a better way to address the issue at hand.
> >
> We do have a real need that there is no exist feature in the kernel can
> provide solution for. You want ACK from scheduler people because it has
> impact on disabling irq? or you think scheduler should be the one that
> provide the solution. I did try cpu subsystem, but it seems to be
> limited to RT and certain scheduling policy e.g. RR and FIFO.

I agree with Rafael. I think the scheduler should provide the solution
and it can be done via modifications to the cpu cgroup subsystem.
Yes, it only has the shares and rt-related files *right now*. However,
Kame replied earlier with a link to some patches for extending it
that introduce files with similar (granted: not the same) semantics:

http://linux.derkeiler.com/Mailing-Lists/Kernel/2010-10/msg0 4335.html

I think you could build on that and help push those patches towards
mainline along with your enhancements for reducing wakeups rather
than modify the freezer cgroup subsystem.

Cheers,
-Matt Helsley

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