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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/msg04335.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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