On Sat, 12 Feb 2011 15:29:07 -0800
Matt Helsley <matthltc@us.ibm.com> wrote:

> On Fri, Feb 11, 2011 at 11:10:44AM -0800, jacob.jun.pan@linux.intel.com wrote:
> > From: Jacob Pan <jacob.jun.pan@linux.intel.com>
> >
> > Freezer subsystem is used to manage batch jobs which can start
> > stop at the same time. However, sometime it is desirable to let
> > the kernel manage the freezer state automatically with a given
> > duty ratio.
> > For example, if we want to reduce the time that backgroup apps
> > are allowed to run we can put them into a freezer subsystem and
> > set the kernel to turn them THAWED/FROZEN at given duty ratio.
> >
> > This patch introduces two file nodes under cgroup
> > freezer.duty_ratio_pct and freezer.period_sec
>
> Again: I don't think this is the right approach in the long term.
> It would be better not to add this interface and instead enable the
> cpu cgroup subsystem for non-rt tasks using a similar duty ratio
> concept..
>
> Nevertheless, I've added some feedback on the code for you here :).
>

AFAIK, there was a work for bandwidth control in CFS.

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

I tested this and worked fine. This schduler approach seems better for
my purpose to limit bandwidth of apprications rather than freezer.

BTW, isn't period_sec too large ?

Thanks,
-Kame

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