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Subject: Re: [PATCH 1/1, v6] cgroup/freezer: add per freezer duty ratio control  
Posted by [Arjan van de Ven](#) on Thu, 10 Feb 2011 03:06:15 GMT

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On 2/9/2011 7:04 PM, Matt Helsley wrote:

> On Tue, Feb 08, 2011 at 05:05:41PM -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

>>

>> Usage example: set period to be 5 seconds and frozen duty ratio 90%

>> [root@localhost aoa]# echo 90> freezer.duty\_ratio\_pct

>> [root@localhost aoa]# echo 5000> freezer.period\_ms

> I kept wondering how this was useful when we've got the "cpu" subsystem

> because for some reason "duty cycle" made me think this was a scheduling

> policy knob. In fact, I'm pretty sure it is -- it just happens to

> sometimes reduce power consumption.

>

> Have you tried using the cpu cgroup subsystem's share to see if it can

> have a similar effect?

does the cpu cgroup system work on a 20 to 30 second time window?

the objective is to have the CPU idle, without wakeups, for that long...

(to save power)

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Containers mailing list

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