
Subject: Re: [PATCH 1/1, v7] cgroup/freezer: add per freezer duty ratio control
Posted by [Arjan van de Ven](#) on Mon, 14 Feb 2011 03:23:10 GMT
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On 2/13/2011 4:44 PM, KAMEZAWA Hiroyuki wrote:

> 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/msg04335.html>

>

> I tested this and worked fine. This scheduler approach seems better for

> my purpose to limit bandwidth of applications rather than freezer.

for our purpose, it's not about bandwidth.

it's about making sure the class of apps don't run for a long period
(30-second range) of time.

Containers mailing list

Containers@lists.linux-foundation.org

<https://lists.linux-foundation.org/mailman/listinfo/containers>
