
Subject: Re: [PATCH 2/2] CFS CGroup: Report usage
Posted by [Paul Menage](#) on Tue, 23 Oct 2007 16:41:49 GMT
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On 10/23/07, Srivatsa Vaddagiri <vatsa@linux.vnet.ibm.com> wrote:
> > Adds a cpu.usage file to the CFS cgroup that reports CPU usage in
> > milliseconds for that cgroup's tasks
>
> It would be nice to split this into user and sys time at some point.

Sounds reasonable - but does CFS track this?

> We have also received request to provide idle time for a
> container/cgroup.

The semantics of "idle time" for a cgroup on a shared system seem a bit fuzzy. How would you define it?

Suppose you have two cgroups that would each want to use, say, 55% of a CPU - technically they should each be regarded as having 45% idle time, but if they run on a the same CPU the chances are that they will both always have some processes on their runqueue due to contention with the other group. So how would you measure the difference between this and a cgroup that really is trying to use 100%?

Paul

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