Subject: Re: [PATCH 4/4] The control group itself
Posted by Paul Menage on Sat, 23 Feb 2008 23:12:59 GMT
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On Fri, Feb 22, 2008 at 12:12 AM, Pavel Emelyanov <xemul@openvz.org> wrote:
>
> Hmm, you mean make them a binary files?

No, not by default. But I'm working on a plan to have an optional binary API to cgroups, that would allow multiple control files to be read in a binary format with a single system call. The existing API would still be available as well, of course. The idea would be that monitoring programs that frequently read lots of values from a single cgroup (or even multiple cgroups) would be able to do so more cheaply than by making multiple different reads on different files.

In order for this to work, CGroups needs to know the data type of a given control file - so this would only be available for the control files that use typed cgroup output methods rather than the raw file output interface.

> I thought that filesystem-based
> API should be human readable and writable as much as possible...
>

Yes, but even without a binary API it makes sense for values that are likely to be parsed by programs be in a consistent format.

But after thinking more about this, I think that the devices permission control file output doesn't really fall under this category - from a programmatic point of view, I suspect it's write-only, and only humans will be reading the output, for debugging.

Paul

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