On Fri, 15 Feb 2008 12:44:18 -0800
Paul Menage <menage@google.com> wrote:

>
> This set of patches makes the Control Groups API more structured and
> self-describing.
>
> 1) Allows control files to be associated with data types such as
> "u64", "string", "map", etc. These types show up in a new cgroup.api
> file in each cgroup directory, along with a user-readable
> string. Files that use cgroup-provided data accessors have these file
> types inferred automatically.
>
> 2) Moves various files in cpusets and the memory controller from using
> custom-written file handlers to cgroup-defined handlers
>
> 3) Adds the "cgroup." prefix for existing cgroup-provided control
> files (tasks, release_agent, releasable, notify_on_release). Given
> than we've already had 2.6.24 go out without this prefix, I guess this
> could be a little contentious - but it seems like a good move to
> prevent name clashes in the future. (Note that this doesn't affect
> mounting the legacy cpuset filesystem, since the compatibility layer
> disables all prefixes when mounted with filesystem type "cpuset"). If
> people object too strongly, we could just make this the case for *new*
> cgroup API files, but I think this is a case where consistency would
> be better than compatibility - I'd be surprised if anyone has written
> major legacy apps yet that rely on 2.6.24 cgroup control file names.
>

Hi, I like this direction very much. thank you for your work.
Self-describing cgroup.api file is a good idea!

One request from me is add "mode" bit to cftype for allowing
write-only/read-only files.

Thanks,
-Kame

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