Subject: Re: [RFC PATCH 0/4] Container Freezer: Reuse Suspend Freezer Posted by serue on Fri, 04 Apr 2008 14:11:06 GMT

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Quoting Paul Menage (menage@google.com):
> On Thu, Apr 3, 2008 at 2:03 PM, <matthltc@us.ibm.com> wrote:
     * "freezer.kill"
> >
       writing <n> will send signal number <n> to all tasks
> >
> My first thought (not having looked at the code yet) is that sending a
> signal doesn't really have anything to do with freezing, so it
> shouldn't be in the same subsystem. Maybe a separate subsystem called
> "signal"?
>
> And more than that, it's not something that requires any particular
> per-process state, so there's no reason that the subsystem that
> provides the "kill" functionality shouldn't be able to be mounted in
> multiple hierarchies.
> How about if I added support for stateless subsystems, that could
> potentially be mounted in multiple hierarchies at once? They wouldn't
> need an entry in the css set, since they have no state.
>
> > * Usage:
>> # mkdir /containers/freezer
     # mount -t container -ofreezer freezer /containers/freezer
     # mkdir /containers/freezer/0
     # echo $some_pid > /containers/freezer/0/tasks
> >
> >
>> to get status of the freezer subsystem :
> >
     # cat /containers/freezer/0/freezer.freeze
     RUNNING
> >
>> to freeze all tasks in the container:
>> # echo 1 > /containers/freezer/0/freezer.freeze
     # cat /containers/freezer/0/freezer.freeze
     FREEZING
>> # cat /containers/freezer/0/freezer.freeze
   FROZEN
> >
> Could we separate this out into two files? One called "freeze" that's
> a 0/1 for whether we're intending to freeze the subsystem, and one
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- > called "frozen" that indicates whether it is frozen? And maybe a
- > "state" file to report the RUNNING/FREEZING/FROZEN distinction in a
- > human-readable way?

One thing Oren had mentioned for checkpoint/restart was having more states - i.e. restoring, checkpointing... So then (assuming we used this subsys for that) we'd have more than the two files. Which is probably fine, just wanted to point that out.

-serge

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