Subject: Re: containers (was Re: -mm merge plans for 2.6.23)
Posted by Paul Menage on Tue, 10 Jul 2007 18:34:38 GMT
View Forum Message <> Reply to Message

On 7/10/07, Srivatsa Vaddagiri <vatsa@linux.vnet.ibm.com> wrote:
> >
> > Container stuff. Hold, I guess. I was expecting updates from Paul.
>
> Paul,
> Are you working on a new version? I thought it was mostly ready
> for mainline.
>

There are definitely some big changes that I want to make internally to the framework, but I guess they don't have to block pushing the basic framework to mainline.

I've got a new patchset that's primarily got all the various -mm fix patches rolled into the appropriate original patches, along with plus some small tweaks

- changed the Kconfig files to avoid using "select"
- adding the subsystem name as a prefix for each control file to enforce namespace scoping
- misc contributions from others

Short-term I also want to:

- rethink the linked list that runs through each task to its css_group object, since that seemed to hurt performance a bit, but for now that can probably be solved by just ripping it out and going back to scanning the tasklist to enumerate tasks in a container.

- extend the options parsing, so we can have more than just a list of subsystems. Probably changing the existing -o<subsys1>,<subsys2>,... to be one of:
  -osubsys=<subsys1>:<subsys2>:...,<otheropt>=<otherval>
  -osubsys=<subsys1>,subsys=<subsys2>,subsys=...,<otheropt>=<otherval>
  (what's the preferred convention for fs mount options with multiple values?)

I'd not realised that anything else depending on containers was ready for upstream merge, but if CFS group support is ready then merging a subset of them is probably a good idea, since this is an application that I can see a lot of people wanting to play with.

Andrew, how about we merge enough of the container framework to support CFS? Bits we could leave out for now include container_clone() support and the nsproxy subsystem, fork/exit callback hooks, and

possibly leave cpusets alone for now (which would also mean we could skip the automatic release-agent stuff). I'm in Tokyo for the Linux Foundation Japan symposium right now, but I should be able to get the new patchset to you for Friday afternoon.

Paul

_____

Containers mailing list
Containers@lists.linux-foundation.org
https://lists.linux-foundation.org/mailman/listinfo/containers