Subject: [RFC] [PATCH 0/3] containers: introduction
Posted by serue on Wed, 20 Dec 2006 06:01:28 GMT
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Following is a small patchset implementing what I was describing
about earlier, namely semantics for a hierarchical container
naming scheme.

What works:

1. ls -l /proc/$$/container
   shows the full hierarchical name of the container;

2. mount -t containerfs none /container
   results in a file tree under /container representing the
   full container hierarchy

3. cd /proc/$$/container; ls
   results in a listing of child containers

What doesn't work:
1. The /proc/$$/container link always appears dead (red
in bash on my fedora test system) because it points
into a kern_mounted fs.

2. Features like

cd /proc/$$/container
mv container_3 my_child_container

to rename a container or

cd /proc/$$/container
rm container_3

to kill all processes a container are unimplemented.

3. Semantics for entering a namespace are not only
unimplemented, but entirely unconsidered thus far.
I suppose one cool way to enter a container would
be

ln -s /proc/$$/container/child_container /proc/$$/container

but that

a. Does not provide the ability to switch only
some of the namespaces, as Herbert wants.

b. May be unimplementable using proc support
as is - not sure.

thanks,
-serge

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Containers mailing list
Containers@lists.osdl.org
https://lists.osdl.org/mailman/listinfo/containers