
Subject: Re: [RFC][PATCH 0/7] Clone PTS namespace

Posted by [serue](#) on Sat, 26 Apr 2008 13:02:43 GMT

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Quoting Eric W. Biederman (ebiederm@xmission.com):

> "Serge E. Hallyn" <serue@us.ibm.com> writes:

>

>

> > Heh, well I tried several approaches - adding tag_ops to kset, to ktype,

> > etc. Finally ended up just calling sysfs_enable_tagging on

> > /sys/kernel/uids when that is created. It's now working perfectly.

>

> Sounds good.

>

> >> I suspect since you are working on this and I seem to be stuck

> >> in molasses at the moment it makes sense to figure out what it

> >> will take to handle the uid namespace before pushing these

> >> patches again.

> >

> > I had ported your patches to 2.6.25, but Benjamin in the meantime ported

> > them to 2.6.25-mm1. Since that's closer to the -net tree it's a more

> > useful port, so I'll let him post his patchset. Then I'll send the

> > userns patch on top of that. While I'm not actually able to send

> > network traffic over a veth dev (I probably am still not setting it up

> > right), I am able to pass veth devices into network namespaces, and the

> > user namespaces are properly handled.

> >

> > I believe Benjamin did notice a problem with some symlinks not existing,

> > and I think we want one more patch on top of yours removing the

> > hold_net() from sysfs_mount, which I don't think was what you really

> > wanted to do. By simply removing that, if all tasks in a netns go away,

> > the netns actually goes away and a lookup under a bind-mounted copy of

> > its /sys/class/net is empty.

>

> I will have to look, I need to refresh myself on where all of this code is.

> I think hold_net was what I wanted. A record that there is a user

> but not something that will keep the network namespace from going away.

>

> Essentially hold_net should be a debugging check rather than a

> real limitation.

Ah, I see, I assumed it actually pinned it. Sorry, never mind then :)

-serge

> > Anyway the patches should be hitting the list next week.

>

> Cool. We can figure out what we need to do to merge them from

> there.
>
> >> Taking a quick look and having a clue what we will need to
> >> do for a theoretical device namespace is also a possibility.
> >
> > I'm not sure I'm familiar enough with the kobject/class/sysfs/device
> > relationships yet to comment on that. It doesn't look like it should
> > really be a problem, though simply adding tags to every directory
> > under /sys/class (/sys/class/tty, /sys/class/usb_device, etc) doesn't
> > seem like necessarily the nicest way to go...
>
> True. And the goal is something maintainable. There are still a lot
> of implications of a device namespace left unexamined so we shall see.
>
> Eric

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Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
