
Subject: Re: [PATCH 1/3] change clone_flags type to u64

Posted by [serue](#) on Thu, 10 Apr 2008 22:49:47 GMT

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Quoting Daniel Hokka Zakrisson (daniel@hozac.com):

> Serge E. Hallyn wrote:

> > Quoting Andi Kleen (andi@firstfloor.org):

> > > I guess that was a development rationale.

> > >

> > > But what rationale? It just doesn't make much sense to me.

> > >

> > > Most of the namespaces are in

> > > use in the container projects like openvz, vserver and probably others

> > > and we needed a way to activate the code.

> > >

> > > You could just have added it to feature groups over time.

> > >

> > >

> > > Not perfect I agree.

> > >

> > > > With your current strategy are you sure that even 64bit will

> > > > be enough in the end? For me it rather looks like you'll

> > > > go through those quickly too as more and more of the kernel

> > > > is namespaced.

> > > >

> > > > well, we're reaching the end. I hope ! devpts is in progress and

> > > > mq is just waiting for a clone flag.

> > > >

> > > > Are you sure?

> > > >

> > > > Well for one thing we can take a somewhat different approach to new

> > > > clone flags. I.e. we could extend CLONE_NEWIPC to do mq instead of

> > > > introducing a new clone flag. The name doesn't have 'sysv' in it,

> > > > and globbing all ipc resources together makes some amount of sense.

> > > > Similarly has hpa+eric pointed out earlier, suka could use

> > > > CLONE_NEWDEV for ptys. If we have net, pid, ipc, devices, that's a

> > > > pretty reasonable split imo. Perhaps we tie user to devices and get

> > > > rid of CLONE_NEWUSER which I suspect noone is using atm (since only

> > > > Dave has run into the CONFIG_USER_SCHED problem). Or not. We could

> > > > roll uts into net, and give CLONE_NEWUTS a deprecation period.

> > > >

> > > > Please don't. Then we'd need to re-add it in Linux-VServer to support

> > > > guests where network namespaces aren't used...

So these are networked vservers with a different hostname? Just curious, what would be a typical use for these?

Anyway then I guess we won't :) Do you have other suggestions for

ns clone flags which ought to be combined? Do the rest of what I listed make sense to you? (If not, then I guess I'll step out of the way and let you and Andi fight it out :)

thanks,
-serge

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