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Subject: Re: [patch 0/8] unprivileged mount syscall  
Posted by [Miklos Szeredi](#) on Sun, 15 Apr 2007 20:39:40 GMT  
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> > > Agreed on desired behavior, but not on chroot sufficing. It actually  
> > > sounds like you want exactly what was outlined in the OLS paper.  
> > >  
> > > Users still need to be in a different mounts namespace from the admin  
> > > user so long as we consider the deluser and backup problems  
> >  
> > I don't think it matters, because /share/\$USER duplicates a part or  
> > the whole of the user's namespace.  
> >  
> > So backup would have to be taught about /share anyway, and deluser  
> > operates on /home/\$USER and not on /share/\*, so there shouldn't be any  
> > problem.  
>  
> In what I was thinking of, /share/\$USER is bind mounted to  
> ~\$USER/share, so it would have to be done in a private namespace in  
> order for deluser to not be tricked.

But /share/\$USER is surely not bind mounted to ~\$USER/share in the  
\_global\_ namespace, is it? I can't see any sense in that.

> > There's actually very little difference between rbind+chroot, and  
> > CLONE\_NEWNS. In a private namespace:  
> >  
> > 1) when no more processes reference the namespace, the tree will be  
> > disbanded  
> >  
> > 2) the mount tree won't be accessible from outside the namespace  
>  
> But it *can* be, if properly set up. That's part of the point of the  
> example in the OLS paper. When a user logs in, sshd clones a new  
> namespace, then bind-mounts /share/\$USER into ~\$USER/share. So assuming  
> that /share/\$USER was --make-shared'd, it and ~\$USER are now in the  
> same peer group, and any changes made by the user under ~\$USER will  
> be reflected back into /share/\$USER.

I acknowledge, that it can be done. My point was that it can be done  
more simply without using CLONE\_NS.

> > Wanting a persistent namespace contradicts 1).  
>  
> Not necessarily, see above.  
>  
> > Wanting a per-user (as opposed to per-session) namespace contradicts  
> > 2). The namespace has to be accessible from outside, so that a new

> > session can access/copy it.

>

> Again, I *\*think\** you are wrong that private namespace contradicts this  
> requirement.

I'm not saying there's any contradiction, I'm saying rbind+chroot is a better fit.

I haven't yet heard a single reason why a per-session namespace with parts shared per-user is better than just a per-user namespace.

Miklos

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Containers mailing list

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