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Subject: Re: [patch -mm] update mq\_notify to use a struct pid  
Posted by [Herbert Poetzl](#) on Tue, 12 Sep 2006 11:05:59 GMT  
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On Mon, Sep 11, 2006 at 01:01:18PM -0600, Eric W. Biederman wrote:

>  
> Cedric you mentioned a couple of other patches that are in flight.  
> In the future could you please Cc: the containers list so independent  
> efforts are less likely to duplicate work, and we are more likely  
> to review each others patches instead?  
>  
> Cedric Le Goater <clg@fr.ibm.com> writes:  
>  
> > Eric W. Biederman wrote:  
> >  
> >>>> I was just about to send out this patch in a couple more hours.  
> >>> Well, you did the same with the usb/devio.c and friends :)  
> >>  
> >> Good. The you should be familiar enough with it to review my patch  
> >> and make certain I didn't do anything stupid :)  
> >  
> > well, the least i can try ...  
> >  
>  
> >>> \* I started smbfs and realized it was useless.  
> >>  
> >> Killing the user space part is useless?  
> >> I thought that is what I saw happening.  
> >  
> > smb\_fill\_super() says :  
> >  
> > if (warn\_count < 5) {  
> > warn\_count++;  
> > printk(KERN\_EMERG "smbfs is deprecated and will be removed in"  
> > " December, 2006. Please migrate to cifs\n");  
> > }  
> >  
> > So, i guess we should forget about it and spend our time on the cifs  
> > kthread instead.  
>  
> Sure. Although in this instance the changes are simple enough I will  
> probably send the patch anyway :) That at least explains why you  
> figured it was useless work.  
>  
>  
> >> Of course I don't frequently mount smbfs.  
> >>  
> >>> \* in the following, the init process is being killed directly

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> >>> using 1. I'm not sure how useful it would be to use a struct pid.
> >>> To begin with, may be they could use a :
> >>>
> >>> kill_init(int signum, int priv)
> >>
> >> An interesting notion. The other half of them use cad_pid.
> >
> > yes.
> >
> >> Converting that is going to need some sysctl work, so I have been
> >> ignoring it temporarily.
> >>
> >> Filling in a struct pid through sysctl is extremely ugly at the
> >> moment, plus cad_pid needs some locking.
> >
> > Which distros use /proc/sys/kernel/cad_pid and why ? I can image the
> > need but i didn't find much on the topic.
>
> I'm not at all certain, and I'm not even certain I care. The concept
> is there in the code so it needs to be dealt with. Although if I we
> extend the cad_pid concept it may make a difference.
>
> >> My patch todo list (almost a series file) currently looks like:
> >>
> >>> n_r396r fs3270-Change-to-use-struct-pid.txt
> >>
> > done that. will send to martin for review.
>
> Added to my queue of pending patches to look at review.
>
> >>> ncpfs-Use-struct-pid-to-track-the-userspace-watchdog-process.txt
> >>>
> >>> Don-t-use-kill_pg-in-the-sunos-compatibility-code.txt
> >>>
> >>> usbatm-use-kthread-api (I think I have this one)
> >>
> >> I did usbatm mostly to figure out why kthread conversions seem to
> >> be so hard, and got lucky this one wasn't too ugly.
> >
> > argh. i've done also and i just send my second version of the patch
> > to the maintainer Duncan Sands.
> >
> > This one might just be useless also because greg kh has a patch in
> > -mm to enable multithread probing of USB devices.
>
> Added to my queue of pending patches to track down and reivew.
>
>

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> >>> The-dvb\_core-needs-to-use-the-kthread-api-not-kernel-threads.txt  
> >>> nfs-Note-we-need-to-start-using-the-kthreads-api.txt  
> >>  
> >> dvb-core I have only started looking at.  
> >  
> > suka and i have sent patches to fix :  
> >  
> > drivers/media/video/tvaudio.c  
> > drivers/media/video/saa7134/saa7134-tvaudio.c  
> >  
> > we are no waiting for the maintainer feedback.  
>  
> Ok. I think I saw a little of that.  
>  
> >> nfs I noticed it is the svc stuff that matters.  
> >>  
> >> usbatm, dvb-core, and nfs are the 3 kernel\_thread users  
> >> that also use kill\_proc, and thus are high on my immediate hit list.

> > nfs is also full of signal\_pending() ...

> Yes, there is a lot to read and understand before I can confidently  
> do much with nfs.

I already did a lot of adjustments to the nfs system, and  
I poked around in dvb-core before, so I will take a look  
at this in the next few days, at least the switch to the  
kthread api should not be a big deal ...

HTH,  
Herbert

> >>> pid-Better-tests-for-same-thread-group-membership.txt  
> >>> pid-Cleanup-the-pid-equality-tests.txt  
> >>> pid-Track-the-sending-pid-of-a-queued-signal.txt  
> >  
> > is that about updating the siginfos in collect\_signal() to hold the right  
> > pid value depending on the pid namespace they are being received ?  
>  
> Yes in send\_signal, and in collect signal. To make it work easily I  
> needed to add a struct pid to struct sigqueue. So in send\_signal I  
> generate the struct pid from the pid\_t value and in collect signal I  
> regenerate the numeric value.  
>  
>  
> Eric  
>  
> \_\_\_\_\_

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> Containers@lists.osdl.org  
> <https://lists.osdl.org/mailman/listinfo/containers>

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