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Subject: Re: [PATCH] nfs lockd reclaimer: Convert to kthread API  
Posted by [Trond Myklebust](#) on Thu, 19 Apr 2007 21:19:24 GMT  
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On Thu, 2007-04-19 at 13:20 -0600, Eric W. Biederman wrote:

> Trond Myklebust <trond.myklebust@fys.uio.no> writes:  
>  
> > On Thu, 2007-04-19 at 01:58 -0600, Eric W. Biederman wrote:  
> >> From: Eric W. Biederman <ebiederm@xmission.com>  
> >>  
> >> Start the reclaimer thread using kthread\_run instead  
> >> of a combination of kernel\_thread and daemonize.  
> >> The small amount of signal handling code is also removed  
> >> as it makes no sense and is a maintenance problem to handle  
> >> signals in kernel threads.  
> >  
> > Vetoed. Removing stuff just because it doesn't make sense to you is not  
> > acceptable.  
> >  
> > Signal handling in reclaimer threads is there in order to allow  
> > administrators to deal with the case where the server never comes up  
> > again.  
>  
> Doesn't unmount handle that?

On a pinned filesystem?

> Regardless kernel threads should be an implementation detail  
> not a part of the user interface. If kernel threads are part  
> of the user interface it makes them very hard to change.  
>  
> So it isn't that it doesn't make sense to me it is that it looks  
> fundamentally broken and like a maintenance nightmare.  
>  
> I would rather kill kernel threads then try and simulate them  
> when the kernel implementation has changed and kernel threads  
> are not visible.  
>  
> If I could be convinced that signal handling in kernel threads  
> is not something that will impede code modifications and refactoring  
> I would have less of a problem, and might not care.

Tough. You're the one proposing to change existing code.

> With pid namespaces all kernel threads will disappear so how do  
> we cope with the problem when the sysadmin can not see the kernel  
> threads?

Then you have a usability problem. How does the sysadmin reboot the system if there is no way to shut down the processes that are hanging on an unresponsive filesystem?

Trond

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Containers mailing list

Containers@lists.linux-foundation.org

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

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