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Subject: Re: [PATCH] netns: Simplify the network namespace list locking rules.  
Posted by [den](#) on Thu, 27 Sep 2007 05:21:56 GMT

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Eric W. Biederman wrote:

> Denis V. Lunev <den@sw.ru> noticed that the locking rules  
> for the network namespace list are over complicated and broken.  
>  
> In particular the current register\_netdev\_notifier currently  
> does not take any lock making the for\_each\_net iteration racy  
> with network namespace creation and destruction. Oops.  
>  
> The fact that we need to use for\_each\_net in rtnl\_unlock() when  
> the rtnetlink support becomes per network namespace makes designing  
> the proper locking tricky. In addition we need to be able to call  
> rtnl\_lock() and rtnl\_unlock() when we have the net\_mutex held.  
>  
> After thinking about it and looking at the alternatives carefully  
> it looks like the simplest and most maintainable solution is  
> to remove net\_list\_mutex altogether, and to use the rtnl\_mutex instead.  
>  
> Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>  
Acked-by: Denis V. Lunev <den@openvz.org>

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Containers mailing list

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