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Subject: Re: [PATCH 2/5] net: Make rtnetlink infrastructure network namespace aware

Posted by [Patrick McHardy](#) on Sun, 30 Sep 2007 15:39:54 GMT

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Eric W. Biederman wrote:

> Patrick McHardy <kaber@trash.net> writes:

>

>

>>Maybe I can save you some time: we used to do down\_trylock()  
>>for the rtnl mutex, so senders would simply return if someone  
>>else was already processing the queue \*or\* the rtnl was locked  
>>for some other reason. In the first case the process already  
>>processing the queue would also process the new messages, but  
>>if it the rtnl was locked for some other reason (for example  
>>during module registration) the message would sit in the  
>>queue until the next rtnetlink sendmsg call, which is why  
>>rtnl\_unlock does queue processing. Commit 6756ae4b changed  
>>the down\_trylock to mutex\_lock, so senders will now simply wait  
>>until the mutex is released and then call netlink\_run\_queue  
>>themselves. This means its not needed anymore.

>

>

> Sounds reasonable.

>

> I started looking through the code paths and I currently cannot  
> see anything that would leave a message on a kernel rtnl socket.

>

> However I did a quick test adding a WARN\_ON if there were any messages  
> found in the queue during rtnl\_unlock and I found this code path  
> getting invoked from linkwatch\_event. So there is clearly something I  
> don't understand, and it sounds at odds just a bit from your  
> description.

That sounds like a bug. Did you place the WARN\_ON before or after  
the mutex\_unlock()?

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