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Subject: Re: [PATCH] Fix inet\_diag.ko register vs rcv race

Posted by [Arnaldo Carvalho de M](#) on Thu, 29 Nov 2007 12:47:17 GMT

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Em Thu, Nov 29, 2007 at 11:37:34PM +1100, Herbert Xu escreveu:

> On Tue, Nov 27, 2007 at 04:09:43PM +0300, Pavel Emelyanov wrote:

> > The following race is possible when one cpu unregisters the handler

> > while other one is trying to receive a message and call this one:

>

> Good catch! But I think we need a bit more to close this fully.

>

> Dumps can resume asynchronously which means that they won't be

> holding inet\_diag\_mutex. We can fix that pretty easily by

> giving that as our cb\_mutex.

>

> So could you add that to your patch and resubmit?

>

> Arnaldo, synchronize\_rcu() doesn't work on its own. Whoever accesses

> the object that it's supposed to protect has to use the correct RCU

> primitives for this to work.

>

> Synchronisation is like tango, it always takes two to make it work :)

Agreed, I didn't checked that when refactoring inet\_diag, leaving this as it was before I put my hands on it :-)

- Arnaldo

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