

RE: protecting netgraph calls from outside of the network context

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From: Dmitri Denissov (ddenissov_at_sandvine.com)

Date: 05/21/04

To: 'Julian Elischer' <julian@elischer.org>, freebsd-net@freebsd.org

Date: Fri, 21 May 2004 01:26:52 -0400

On Thu, 20 May 2004, Julian Elischer wrote:

> > *This is kind of a bridge, connected to ng_ether interface nodes.*
> > *Sometimes it queues received packets and later /on a timer*
> *call or a call*
> > *from the user space/*
> > *it re-injects the packets using ng_send_data.*
> >
>
> *reinjects it to where?*
>

To the adjacent ng_ether node connected via the lower hook.
So the question is how to protect the ng_send_data() call originated
from timer or user space context.

>
> >
> > > *From: Julian Elischer [mailto:julian@elischer.org]*
> > > *Sent: Thursday, May 20, 2004 5:34 PM*
> > >
> > >
> > > *Ha! funny you should ask that exactly now..*
> > > *I was just discussing this with Robert Watson..*
> > >
> > > *The answer is "it depends on what you want to do".*
> > >
> > > *What DO you want to do and what does your node do?*
> > > *netgraph has internal locking in 5.x that you need to*
> > > *interact with but it should be pretty transparent*
> > > *depending on what you are doing..*
> > >
> > >
> > > *On Thu, 20 May 2004, Dmitri Denissov wrote:*
> > >
> > > > *Hi,*

freebsd-net: RE: protecting netgraph calls from outside of the network context

> > > >
> > > > *Currently netgraph code uses splnet/splx to protect
> timeout calls.*
> > > > *This doesn't work with 5.2 SMP kernel. What is the
> proper method*
> > > > *here for a custom netgraph node? Is the Giant lock only the way?*
> > > >
> > > > *Thanks*
> > > >
> > > > *--*
> > > > *Dmitri*
> >
>

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