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Subject: Re: Network virtualization/isolation

Posted by [Herbert Poetzl](#) on Mon, 04 Dec 2006 16:43:32 GMT

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On Mon, Dec 04, 2006 at 06:19:00PM +0300, Dmitry Mishin wrote:

> On Sunday 03 December 2006 19:00, Eric W. Biederman wrote:

> > Ok. Just a quick summary of where I see the discussion.

> >

> > We all agree that L2 isolation is needed at some point.

> As we all agreed on this, may be it is time to send patches

> one-by-one? For the beggining, I propose to resend Cedric's

> empty namespace patch as base for others - it is really empty,

> but necessary in order to move further.

>

> After this patch and the following net namespace unshare

> patch will be accepted,

well, I have neither seen any performance tests showing  
that the following is true:

- no change on network performance without the  
space enabled
- no change on network performance on the host  
with the network namespaces enabled
- no measureable overhead inside the network  
namespace
- good scalability for a larger number of network  
namespaces

> I could send network devices virtualization patches for

> review and discussion.

that won't hurt ...

best,

Herbert

> What do you think?

>

> > The approaches discussed for L2 and L3 are sufficiently orthogonal

> > that we can implement then in either order. You would need to

> > unshare L3 to unshare L2, but if we think of them as two separate

> > namespaces we are likely to be in better shape.

> >

> > The L3 discussion still has the problem that there has not been

> > agreement on all of the semantics yet.

> >

> > More comments after I get some sleep.  
> >  
> > Eric  
> > -  
> > To unsubscribe from this list: send the line "unsubscribe netdev" in  
> > the body of a message to majordomo@vger.kernel.org  
> > More majordomo info at <http://vger.kernel.org/majordomo-info.html>  
>  
> --  
> Thanks,  
> Dmitry.  
>  
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