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Subject: Re: [PATCH] net: Add etun driver

Posted by [Stephen Hemminger](#) on Fri, 06 Apr 2007 20:54:47 GMT

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On Fri, 06 Apr 2007 14:38:50 -0700

Ben Greear <[greearb@candelatech.com](mailto:greearb@candelatech.com)> wrote:

> Stephen Hemminger wrote:

> > Why not implement a true virtual network rather than simple

> > tunnel pairs?

> >

> What would a true virtual network do? You mean with routers and such?

Rather than just a pair, you could do address matching of destination address.

>

> I use my redirect device (basically same as etun) to join virtual

> routers together,

> but all of the virtual routing (and bridging, etc) logic is already in

> the kernel

> and just has to be configured properly....

>

> Ben

>

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Containers mailing list

[Containers@lists.linux-foundation.org](mailto:Containers@lists.linux-foundation.org)

<https://lists.linux-foundation.org/mailman/listinfo/containers>

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Subject: Re: [PATCH] net: Add etun driver

Posted by [Ben Greear](#) on Fri, 06 Apr 2007 22:01:46 GMT

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Stephen Hemminger wrote:

> On Fri, 06 Apr 2007 14:38:50 -0700

> Ben Greear <[greearb@candelatech.com](mailto:greearb@candelatech.com)> wrote:

>

>

>> Stephen Hemminger wrote:

>>

>>> Why not implement a true virtual network rather than simple

>>> tunnel pairs?

>>>

>>>

>> What would a true virtual network do? You mean with routers and such?

>>

>  
> Rather than just a pair, you could do address matching of destination  
> address.

>  
At layer-2, you can already do this by adding the etun device to a  
bridge and let the bridge  
do the work.

At layer-3, you can use the routing tables...and all of the other clever  
logic of the linux  
kernel.

Imagine what you could do if you had 2000 ethernet ports on your machine  
and lots of  
loop-back cables..that is essentially what etun gives you...

Lord knows I love writing virtual devices..but it always seems to turn  
out best if you  
leave each piece simple and use the normal linux tools and features to  
put the simple  
features together into something much more powerful.

Ben

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Ben Greear <[greearb@candelatech.com](mailto:greearb@candelatech.com)>  
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Containers mailing list  
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<https://lists.linux-foundation.org/mailman/listinfo/containers>

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