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

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> 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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