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Subject: Re: [PATCH] Virtual ethernet device (tunnel)  
Posted by [ebiederm](#) on Wed, 02 May 2007 13:40:31 GMT  
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Patrick McHardy <kaber@trash.net> writes:

> jamal wrote:  
>> On Wed, 2007-02-05 at 14:34 +0200, Patrick McHardy wrote:  
>>  
>>  
>>>Thats a lot better than using sysfs, but I think it would be  
>>>preferable to use rtnetlink instead of genetlink for network  
>>>configuration.  
>>  
>>  
>> or you can just hold rtnl while using genl.  
>> I do agree it would be easier to just use rtnetlink ...  
>  
>  
> The rtnl needs to be held in either case, but using a different  
> netlink family introduces races in message processing. For example  
> a simple:  
>  
> ip link add dev veth0  
> ip route add 10.0.0.0/8 dev veth0  
>  
> might fail because we have two different input queues and the routing  
> message might get processed before the link message.

The consensus from the last thread was pretty much that we need to implement RTM\_NEWLINK and RTM\_DELLINK, if it is at all possible.

So that we can get code reuse between different virtual devices.  
Although I suspect we will need some per type attribute parsing.

Eric

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