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Subject: Re: [PATCH] Virtual ethernet device (v.4)  
Posted by [Pavel Emelianov](#) on Wed, 08 Aug 2007 10:42:50 GMT  
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Hi, David.

What are your plans about this driver?

Thanks,  
Pavel

- > Veth stands for Virtual ETHERnet. It is a simple tunnel driver
- > that works at the link layer and looks like a pair of ethernet
- > devices interconnected with each other.
- >
- > Mainly it allows to communicate between network namespaces but
- > it can be used as is as well. E.g. one may join to bridged
- > networking segments together.
- >
- > Eric recently sent a similar driver called etun with the sysfs
- > interface. This implementation uses another interface - the RTM\_NRELINK
- > message introduced by Patric.
- >
- > The newlink callback is organized that way to make it easy to create the
- > peer device in the separate namespace when we have them in kernel.
- >
- > Many thanks to Patrick for reviewing the patches and his advises
- > on how to make driver cleaner.
- >
- > Changes from v.3:
- > \* Reserved place for struct ifinfomsg in IFLA\_INFO\_DATA part
- > of the packet. This is not used yet, but may be in the
- > future.
- >
- > Changes from v.2.1:
- > \* Made the generic routine for link creation to be used
- > by veth driver, any other tunnel driver that needs to
- > create several devices at once and rtnl\_newlink() code.
- >
- > Changes from v.2:
- > \* Rebase over latest netdev tree. No actual changes;
- > \* Small code rework.
- >
- > Changes from v.1:
- > \* Per-cpu statistics;
- > \* Standard convention for nla policy names;
- > \* Module alias added;
- > \* Xmit function fixes noticed by Patric;

> \* Code cleanup.  
>  
> The patch for an ip utility is also provided.  
>  
> Signed-off-by: Pavel Emelianov <xemul@openvz.org>  
> Acked-by: Patrick McHardy <kaber@trash.net>  
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