
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>
>
