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Subject: Re: [PATCH] Virtual ethernet device (v2.1)  
Posted by [Evgeniy Polyakov](#) on Wed, 11 Jul 2007 09:44:30 GMT  
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Hi.

On Wed, Jul 11, 2007 at 01:31:15PM +0400, Pavel Emelianov (xemul@openvz.org) wrote:

> 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.

I have minor comment about flags used in veth. It looks like you only set LLTX bit, but check for other flags in the code, so why not to include another performance features?

```
> +static void veth_setup(struct net_device *dev)
> +{
> + ether_setup(dev);
> +
> + dev->hard_start_xmit = veth_xmit;
> + dev->get_stats = veth_get_stats;
> + dev->open = veth_open;
> + dev->stop = veth_close;
> + dev->ethtool_ops = &veth_ethtool_ops;
> + dev->features |= NETIF_F_LLTX;
> + dev->init = veth_dev_init;
> + dev->destructor = veth_dev_free;
> + netif_carrier_off(dev);
> +}
```

Don't you want to include NETIF\_F\_SG, NETIF\_F\_NO\_CSUM, NETIF\_F\_FRAGLIST, NETIF\_F\_HIGHDMA and probably TSO fancy flags also to reduce cpu usage more?

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Evgeniy Polyakov

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