Subject: Re: [PATCH 15/16] net: Implement network device movement between namespaces
Posted by davem on Wed, 12 Sep 2007 11:54:36 GMT
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From: ebiederm@xmission.com (Eric W. Biederman)
Date: Sat, 08 Sep 2007 15:38:46 -0600

>
> This patch introduces NETIF_F_NETNS_LOCAL a flag to indicate
> a network device is local to a single network namespace and
> should never be moved. Useful for pseudo devices that we
> need an instance in each network namespace (like the loopback
> device) and for any device we find that cannot handle multiple
> network namespaces so we may trap them in the initial network
> namespace.
>
> This patch introduces the function dev_change_net_namespace
> a function used to move a network device from one network
> namespace to another. To the network device nothing
> special appears to happen, to the components of the network
> stack it appears as if the network device was unregistered
> in the network namespace it is in, and a new device
> was registered in the network namespace the device
> was moved to.
>
> This patch sets up a namespace device destructor that
> upon the exit of a network namespace moves all of the
> movable network devices to the initial network namespace
> so they are not lost.
>
> Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>

Applied to net-2.6.24

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