Subject: Re: [PATCH 6/14][RTNL]: Introduce the rtnl_kill_links call.
Posted by Daniel Hokka Zakrisso on Thu, 10 Apr 2008 22:09:55 GMT
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Pavel Emelyanov wrote:
> ... which will kill all the devices in the given net with
> the given rtnl_link_ops. Will be used in VLAN patches later.
>
> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>
>
> ---
> include/net/rtnetlink.h | 1 +
> net/core/rtnetlink.c | 29 ++++++++++++++++++++++++++---------
> 2 files changed, 22 insertions(+), 8 deletions(-)
>
> diff --git a/include/net/rtnetlink.h b/include/net/rtnetlink.h
> index 793863e..3c1895e 100644
> --- a/include/net/rtnetlink.h
> +++ b/include/net/rtnetlink.h
> @@ -74,6 +74,7 @@ struct rtnl_link_ops {
>
> extern int __rtnl_link_register(struct rtnl_link_ops *ops);
> extern void __rtnl_link_unregister(struct rtnl_link_ops *ops);
> +extern void rtnl_kill_links(struct net *net, struct rtnl_link_ops *ops);
>
> extern int rtnl_link_register(struct rtnl_link_ops *ops);
> extern void rtnl_link_unregister(struct rtnl_link_ops *ops);
> diff --git a/net/core/rtnetlink.c b/net/core/rtnetlink.c
> index da99ac0..bc39e41 100644
> --- a/net/core/rtnetlink.c
> +++ b/net/core/rtnetlink.c
> @@ -269,6 +269,26 @@ int rtnl_link_register(struct rtnl_link_ops *ops)
>
> EXPORT_SYMBOL_GPL(rtnl_link_register);
>
> +static void __rtnl_kill_links(struct net *net, struct rtnl_link_ops *ops)
> +{
> + struct net_device *dev;
> +restart:
> + for_each_netdev(net, dev) {
> + if (dev->rtnl_link_ops == ops) {
> +   ops->dellink(dev);
> +   goto restart;
> + }
> + }
> +}
> +
> +void rtnl_kill_links(struct net *net, struct rtnl_link_ops *ops)

> +{
> + rtnl_lock();
> + __rtnl_kill_links(net, ops);
> + rtnl_unlock();
> +}
> +EXPORT_SYMBOL_GPL(rtnl_kill_links);
> +
> /**
>   * __rtnl_link_unregister - Unregister rtnl_link_ops from rtnetlink.
>   * @ops: struct rtnl_link_ops * to unregister
> @@ -277,17 +297,10 @@ EXPORT_SYMBOL_GPL(rtnl_link_register);
>   */
> void __rtnl_link_unregister(struct rtnl_link_ops *ops)
> {
> - struct net_device *dev, *n;
>   struct net *net;
>
>   for_each_net(net) {
> -restart:
> - for_each_netdev_safe(net, dev, n) {
> -   if (dev->rtnl_link_ops == ops) {
> -   ops->dellink(dev);
> -   goto restart;
> -   }
> - }
> + __rtnl_kill_links(net, ops);

This was _safe, and now it's not. Is that intentional?

>   }
>   list_del(&ops->list);
> }
> --
> 1.5.3.4

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Daniel Hokka Zakrisson

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