
Subject: Re: [PATCH 10/12] L2 network namespace: playing with pass-through device

Posted by [Daniel Lezcano](#) on Tue, 12 Dec 2006 13:59:31 GMT

[View Forum Message](#) <> [Reply to Message](#)

Dmitry Mishin wrote:

```
> Temporary code to debug and play with pass-through device.
> Create device pair by
> modprobe veth
>     echo 'add veth1 0:1:2:3:4:1 eth0 0:1:2:3:4:2' >/proc/net/veth_ctl
> and your shell will appear into a new namespace with `eth0' device.
> Configure device in this namespace
>     ip l s eth0 up
>     ip a a 1.2.3.4/24 dev eth0
> and in the root namespace
>     ip l s veth1 up
>     ip a a 1.2.3.1/24 dev veth1
> to establish a communication channel between root namespace and the newly
> created one.
>
> Code is done by Andrey Savochkin and ported by me over Cedric's patchset
>
> Signed-off-by: Dmitry Mishin <dim@openvz.org>
>
```

[...]

```
>
> --- linux-2.6.19-rc6-mm2.orig/include/linux/net_namespace.h
> +++ linux-2.6.19-rc6-mm2/include/linux/net_namespace.h
> @@ -24,6 +24,9 @@ struct net_namespace {
>     int  fib4_trie_last_dflt;
> #endif
>     unsigned int  hash;
> + struct net_namespace *parent;
> + struct list_head child_list, sibling_list;
> + unsigned int id;
> };
```

Why do yo need to have a child list and sibling list ?
