Subject: Re: [PATCH 10/12] L2 network namespace: playing with pass-through device
Posted by Mishin Dmitry on Tue, 12 Dec 2006 14:12:55 GMT
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On Tuesday 12 December 2006 17:10, Daniel Lezcano wrote:
> Dmitry Mishin wrote:
> > On Tuesday 12 December 2006 16:59, Daniel Lezcano wrote:
> >> 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'c 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 ?
> > Because of the level2<->level3 hierarchy, for example.
>
> This hierarchy doesn't exist with ns->parent ? Do you have an example
> when the hierarchy should be used ? I mean when we need to browse from
> l2 -> l3 ?
For example, to check that new ifaddr is already used by child l3 namespace.

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Thanks,
Dmitry.