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

Posted by [Mishin Dmitry](#) on Tue, 12 Dec 2006 14:04:20 GMT

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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'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 you need to have a child list and sibling list ?

Because of the level2<->level3 hierarchy, for example.

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Thanks,
Dmitry.
