Subject: Re: [PATCH 1/12] L2 network namespace: current network namespace operations
Posted by Mishin Dmitry on Thu, 07 Dec 2006 11:23:20 GMT
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On Thursday 07 December 2006 12:37, Cedric Le Goater wrote:
> Dmitry Mishin wrote:
> > Added functions and macros required to operate with current network namespaces.
> > They are required in order to switch network namespace for incoming packets and
> > to not extend current network interface by addtiotional network namespace argue.
> >
> > Signed-off-by: Dmitry Mishin <dim@openvz.org>
> >
> > ---
> > include/linux/net_namespace.h | 41 +++++++++++++++++++++++++++++++++++++++--
> > kernel/nsproxy.c | 1 +
> > net/core/net_namespace.c | 2 ++
> > 3 files changed, 42 insertions(+), 2 deletions(-)
> >
> > --- linux-2.6.19-rc6-mm2.orig/include/linux/net_namespace.h
> > +++ linux-2.6.19-rc6-mm2/include/linux/net_namespace.h
> > @@ -7,6 +7,7 @@
> >
> > struct net_namespace {
> >   struct kref kref;
> > + struct nsproxy *ns;
> > };
> >
> >
> why do you need that back pointer ?
>
> (The answer must be in the following patches but I'm being lazy and
>   asking the author :)
Because for the incoming packets, I need to switch networking namespace
per-task and not per-nsproxy. If I switch it just in current->nsproxy, it means
that all tasks shring this nsproxy will switch network context.

It is one of the reasons, why we need per-task exec_context pointer.

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Thanks,
Dmitry.

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