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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 additional 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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