
Subject: Re: [patch 2/6] [Network namespace] Network device sharing by view
Posted by [Daniel Lezcano](#) on Mon, 26 Jun 2006 14:56:32 GMT
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Andrey Savochkin wrote:

> Hi Daniel,

Hi Andrey,

>

> It's good that you kicked off network namespace discussion.

> Although I wish you'd Cc'ed someone at OpenVZ so I could notice it earlier :).

devel@openvz.org ?

> When a device presents an skb to the protocol layer, it needs to know to which

> namespace this skb belongs.

> Otherwise you would never get rid of problems with bind: what to do if device

> eth1 is visible in namespace1, namespace2, and root namespace, and each

> namespace has a socket bound to 0.0.0.0:80?

Exact. But, the idea was to retrieve the namespace from the routes.

IMHO, I think there are roughly 2 network isolation implementation:

- make all network ressources private to the namespace

- keep a "flat" model where network ressources have a new identifier which is the network namespace pointer. The idea is to move only some network informations private to the namespace (eg port range, stats, ...)

Daniel.
