Subject: Re: [PATCH][NETNS] Make ifindex generation per-namespace
Posted by Daniel Lezcano on Tue, 09 Oct 2007 14:48:16 GMT

Pavel Emelyanov wrote:
> Currently indexes for netdevices come sequentially one by
> one, and the same stays true even for devices that are
> created for namespaces.
>
> Side effects of this are:
> * lo device has not 1 index in a namespace. This may break
>   some userspace that relies on it (and AFAIR something
>   really broke in OpenVZ VEs without this);
> * after some time namespaces will have devices with indexes
>   like 1000000 os similar. This might be confusing for a
>   human (tools will not mind).
>
> So move the (currently "global" and static) ifindex variable
> on the struct net, making the indexes allocation look more
> like on a standalone machine.
>
> Moreover - when we have indexes intersect between namespaces,
> we may catch more BUGs in the future related to "wrong device
> was found for a given index".
>
> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

Applied and tested against netns49. Works fine.

Acked-by: Daniel Lezcano <dlezcano@fr.ibm.com>