Subject: Re: [PATCH][NETNS] Make ifindex generation per-namespace
Posted by davem on Tue, 09 Oct 2007 20:12:32 GMT
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From: Pavel Emelyanov <xemul@openvz.org>
Date: Tue, 09 Oct 2007 16:19:25 +0400

> 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>

Based upon Eric's and other's comments, I'm holding off on
this for now.