
Subject: Re: netns refcounting
Posted by [ebiederm](#) on Fri, 16 Nov 2007 17:14:40 GMT
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"Denis V. Lunev" <den@sw.ru> writes:

> Hello, All!
>
> During port of Eric's patches I have noticed an interesting thing.
> The patch "net: Teach the ipv4 route cache to handle multiple network
> namespaces" call hold_net for each IPv4 DST cache entry.
>
> Though it is not possible to stop a namespace without stopping all the
> devices inside. Additionally, the device can't be unregistered if there
> are dst entries to it. These entries are moved to a namespace loopback
> and the namespace will block until these entries will gone from a loopback.
>
> So, I do not see a necessity to have an extra atomic on this hot path,
> i.e. hold_net can be moved away for this. Are there any holes?

So all hold_net is good for is to catch logic errors where people are still using a network namespace but have freed it. It is a bit like the device reference count in that regard.

The usage of the dst cache from ipv4 looked complicated enough that making some small mistake easy to have so I included the reference count for good measure.

If the movement to loopback device is sufficient to prevent us from goofing up in this area I am happy to avoid the reference count.

Eric
