

---

Subject: Re: net namespace plans for 2.6.25 (was Re: Pid namespaces problems)  
Posted by [Daniel Lezcano](#) on Thu, 08 Nov 2007 14:00:03 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Denis V. Lunev wrote:

> Daniel Lezcano wrote:

>> Denis V. Lunev wrote:

>>> Daniel Lezcano wrote:

>>>> Denis V. Lunev wrote:

>>>>> Daniel Lezcano wrote:

>>>>>

>>>>>> \* the first one is the locking of the network namespace list by  
>>>>>> rtnl\_lock, so from the timer callback we can not browse the network  
>>>>>> namespace list to check the age of the routes. It is a problem I would  
>>>>>> like to talk with Denis if he has time

>>>>> From my point of view, the situation is clear. The timer should be  
>>>>> per/namespace. The situation is completely different as one in IPv4.  
>>>> We thought to make a timer per namespace for ipv6, but we are a little  
>>>> afraid for the performances when there will be a lot of containers.  
>>>> Anyway, we can do a timer per namespace and optimize that later. I will  
>>>> cook a new patch to take into account that for the next week.

>>> IMHO not a problem. tcp\_write\_timer is per/socket timer. If this works  
>>> efficiently, per/namespace one will work also.

>> That's right, this is a good argument. By the way, the amount of work to  
>> be done in the tcp\_write\_timer is perhaps smaller than the one done in  
>> the ipv6 routing age check, no ? Anyway, I'm not against a timer per  
>> namespace in this case, I already did a try before rolling back to a  
>> for\_each\_net in the gc timer, that changes a little the API, but nothing  
>> we can handle easily.

>>

>>

> I think you are wrong. The amount of work to "purge" all namespaces is a  
> constant in the IPv6 case, where we'll have per/namespace cache. So, for  
> a multiple timers model only multiple timer overhead counts and this  
> overhead is small, as timer list is efficient.

>

> This argument does not for IPv4 case, where there is a one big cache  
> for all namespaces.

Interesting, thanks for the precision.

---

Containers mailing list

[Containers@lists.linux-foundation.org](mailto:Containers@lists.linux-foundation.org)

<https://lists.linux-foundation.org/mailman/listinfo/containers>

---