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Subject: Re: Re: network namespace ipv6 perfs  
Posted by [Pavel Emelianov](#) on Mon, 03 Mar 2008 14:55:11 GMT  
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Benjamin Thery wrote:

> Daniel Lezcano wrote:

>> Hi,

>>

>> Some performance tests was made by Benjamin to watch out the impact of  
>> the network namespace. The good news is there is no impact when used  
>> with or without namespaces. That has been checked using a real network  
>> device inside a network namespace.

>>

>> These results are consistent with the ones previously made for ipv4.

>>

>> [http://lxc.sourceforge.net/network/bench\\_ipv6\\_graph.php](http://lxc.sourceforge.net/network/bench_ipv6_graph.php)

>>

>> Thanks to Benjamin who did all the performance tests :)

>

> In these results, may be, there is one thing that should be explained.

> It is the CPU utilization overhead in the 'veth' case.

>

> Compared to physical devices or macvlan, veth interfaces don't benefit  
> from hardware offloading mechanisms: i.e. checksums have to be computed  
> by the soft. That explains the big overhead in CPU utilization when

You can tune the veth devices not to account checksum when unnecessary.

> using this kind of virtual interface.

>

> Benjamin

>

>> Regards

>> -- Daniel

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>>

[illegible]

>> Sauf indication contraire ci-dessus:  
>> Compagnie IBM France

>> Courbevoie  
>> RCS Nanterre 552 118 465  
>> Forme Sociale : S.A.S.  
>> Capital Social : 542.737.118 ?  
>> SIREN/SIRET : 552 118 465 02430

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Containers mailing list  
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