
Subject: Re: Re: [PATCHSET] 2.6.20-lxc8
Posted by [den](#) on Thu, 22 Mar 2007 10:45:46 GMT
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Kirill Korotaev wrote:

> Eric W. Biederman wrote:

>> Daniel Lezcano <dlezcano@fr.ibm.com> writes:

>>

>>

>>> Benjamin Thery and I we were looking at this.

>>> For the moment we are investigating if there is IP fragmentation between the

>>> eth0 and the pair devices.

>>> The profiling shows us "pskb_expand_head" and "csum_partial_copy_generic"

>>> functions have the bigger CPU usage when we are inside a container.

>>

>> Hmm. Interesting hypothesis. I do know I haven't finished the IP fragment

>> support so there may be an issue there. Although generally especially with

>> TCP fragments are not generated. How are you thinking fragmentation would

>> be involved?

>

> I'm not sure I fully understand the test and details of the thread,

> but still...

>

> if network device inside container has MTU higher then eth0 outside the container,

> then packets will get fragmented.

> First time to MTU1 inside container and refragmented to MTU2

> outside the container. At least this is the reason we use ethernet MTU

> on venet devices in OpenVZ - to avoid fragmentation.

frankly speaking, there are another points, which can call to
pskb_expand_head. Hard header size on container network device should be
the same as on real one.

Regards,
Den
