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Subject: UDP traffic doesn't arrive in VPS

Posted by [Arjan Schrijver](#) on Wed, 19 Dec 2007 10:53:13 GMT

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Hello people,

I've got a problem with my OpenVZ installation. We wanted to build a syslog server on a VPS, but it looks like OpenVZ can't handle the UDP traffic that arrives at the VPS.

When we have 3 or less servers logging to the VPS, everything works like a charm. But when more (mail-) servers start logging, the UDP buffer seems to overflow.

I looked at `/proc/user_beancounters` on the hardware node, and there were no errors in the `dgramrcvbuf` line (or any other line). The buffer just seems to fill until about 300000 (the limit is 1500000). The buffer never gets above 300000, but most of the loglines don't arrive in the VPS. Is there a limit on UDP traffic one VPS can receive?

Thanks in advance.

Regards,  
Arjan

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Subject: Re: UDP traffic doesn't arrive in VPS

Posted by [gblond](#) on Wed, 19 Dec 2007 13:05:17 GMT

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On 19 December 2007 13:53:13 Arjan Schrijver wrote:

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>

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> seems to fill until about 300000 (the limit is 1500000). The buffer  
> never gets above 300000, but most of the loglines don't arrive in the VPS.  
> Is there a limit on UDP traffic one VPS can receive?

I didn't hear about any limit on UDP traffic for VPS.

Can you describe your system configuration, kernel version, syslog and related config files?

Note, that UDP doesn't support flow control, therefore some data can be lost.

Try to change sysctl net.core.rmem\_default. It parameter is used to set socket receive buffer size.

>  
> Thanks in advance.  
> Regards,  
> Arjan  
--  
Thank,  
Vitaliy Gusev

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Subject: Re: UDP traffic doesn't arrive in VPS  
Posted by [vaverin](#) on Thu, 20 Dec 2007 07:05:43 GMT  
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Hi Arjan,

IMHO it makes sense to check traffic by tcpdump: on the host server's external interface and on internal venet interface, and then on venet inside VE.

thank you,  
Vasily Averin

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