
Subject: Inbound bandwidth speed problem
Posted by [fredericep](#) on Fri, 25 Nov 2011 21:43:57 GMT
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Hello,

A few days ago I installed a fresh CentOS6 64 bits with openvz kernel 2.6.32-042stab039.11.

There is only 1 VE at the moment, created from the CentOS6 x64 template.

When I copy a file (scp) to my VE from another server in the same network, transfer speed is ok at first, but after 1 or 2 seconds the transfer speed is dropping from 40MB/s to less than 200 KB/s.

From the same server I can transfer the same file to the HN at a correct speed.

I tried from another server, the behaviour is the same : bad performance to the VE and correct speed to the HN.

There is no rate limit or traffic shaping in place on the HN or the VE.

Any idea ?

Thank you.

Frederic

Subject: Re: Inbound bandwidth speed problem
Posted by [fredericep](#) on Wed, 30 Nov 2011 19:58:08 GMT
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short update regarding this problem :

I tried with a testing kernel 2.6.32-042stab044.1 but the result is the same.

All ideas are welcome ...

Subject: Re: Inbound bandwidth speed problem
Posted by [TheStig](#) on Thu, 01 Dec 2011 19:18:25 GMT
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have you checked your beancounters yet?

Subject: Re: Inbound bandwidth speed problem
Posted by [fredericep](#) on Thu, 01 Dec 2011 19:58:31 GMT
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yes I checked the beancounters, they are clean, no failcnt recorded.

I moved a VE that was working fine on another HN, once it's on my CentOS x64 HN the problem is the same.

Subject: Re: Inbound bandwidth speed problem
Posted by [TheStig](#) on Thu, 01 Dec 2011 20:35:37 GMT
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are you familiar with tcpdump? maybe it can give you some hints. also try a different protocol like http or iperf for benchmarking to narrow down the problem.
also, what would be the "correct" speed you are expecting to see and what rates are you archiving to the HN? 40MB/s is too fast for a 100Mbit network and too slow for 1Gbit ethernet.

Subject: Re: Inbound bandwidth speed problem
Posted by [fredericep](#) on Fri, 02 Dec 2011 20:56:26 GMT
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I'll try to see if I can take a tcpdump trace and analyze it.

Regarding the speed, this is a local network with Gigabit switches.

I tested by downloading a zip file over http using wget
On the HN :
133,254,561 56.1M/s in 2.3s
This is not a terrific speed for a Gbit lan, but I'm fine with it.

The same file in the VE :
53,123,832 18.2K/s eta 12m 22s
I gave up before the end

Are you also using a CentOS6 x64 ?

-

Frederic

Subject: Re: Inbound bandwidth speed problem
Posted by [mojah](#) on Mon, 20 Feb 2012 19:14:31 GMT
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Hi,

I'm having the exact same issue on CentOS 6 x64. Same as the original poster, downloads start at full line speed and drop to 10-20Kbps after a few seconds. Kind of like a burst was "allowed"

but then fell back to regular traffic shaping.

This is a normal install with no traffic shaping applied. Running the kernel "2.6.32-042stab049.6.x86_64" (latest stable) gave me this problem, as well as the latest in testing branch "2.6.32-042stab052.2".

I'm actually thinking this may be a bug in the kernel, but I have no way to prove it. Hardware node has full in- and egress traffic, the container is very limited for the incoming traffic.

Subject: Re: Inbound bandwidth speed problem
Posted by [dev](#) on Tue, 21 Feb 2012 07:48:16 GMT

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Are you running OpenVZ inside VM (virtual machine) or bare host?

Subject: Re: Inbound bandwidth speed problem
Posted by [mojah](#) on Tue, 21 Feb 2012 07:55:18 GMT

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Hi,

Yes, inside a VMware virtual machine. I'm discussing this with Kirill as well on the mailing list, we've tried by switching VMXNET3 to E1000 to exclude driver issues.

I'll keep this forum post up-to-date as I get feedback.

Subject: Re: Inbound bandwidth speed problem
Posted by [dev](#) on Tue, 21 Feb 2012 07:57:04 GMT

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Sorry, actually wanted to ask initially you, fredericep:
Are you running OpenVZ inside VM (virtual machine) or bare host?

Subject: Re: Inbound bandwidth speed problem
Posted by [fredericep](#) on Tue, 21 Feb 2012 18:32:28 GMT

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dev wrote on Tue, 21 February 2012 08:57 Sorry, actually wanted to ask initially you, fredericep:
Are you running OpenVZ inside VM (virtual machine) or bare host?
it was running inside a VMware ESXi VM.

Subject: Re: Inbound bandwidth speed problem
Posted by [dev](#) on Tue, 21 Feb 2012 21:45:04 GMT
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Ok, so it looks like it has really to do something with ESX (mojah uses ESX as well)... If you still use it, you can try changing from ESX network paravirt driver to e1000 emulation.
