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Subject: **\*SOLVED\*** Slow Network  
Posted by [moorejon](#) on Thu, 12 Jul 2007 17:54:02 GMT  
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I am attempting to setup a HA cluster using OpenVZ and the guide posted in the wiki. During the process we noticed extremely slow network connections even from the host OS. iperf to another server on the same 100 mbps LAN reports

```
[ ~]# iperf -c #####  
-----  
Client connecting to #####, TCP port 5001  
TCP window size: 16.0 KByte (default)  
-----  
[ 3] local ##### port 39098 connected with ##### port 5001  
[ 3] 0.0-10.2 sec 3.72 MBytes 3.05 Mbits/sec
```

Servers with the identical hardware on the same subnet running CentOS 4.x 64 bit report around 96 Mbps

Inside a VE we get the same or lower iperf results, so I am assuming this is an issue with the host OS rather than VE configuration options.

I have two test setups that provide the same results. One is CentOS 4.3 64 bit with kernel:

```
cat /proc/version  
Linux version 2.6.18-8.1.4.el5.028stab035.1 (root@rhel5-64-build) (gcc version 4.1.1 20070105  
(Red Hat 4.1.1-52)) #1 SMP Fri Jun 8 21:14:18 MSD 2007
```

The other is CentOS 4.5 32bit (couldn't get 4.3 32 bit to work with our kickstart network installer) kernel:

```
Linux version 2.6.18-8.1.4.el5.028stab035.1PAE (root@rhel5-32-build) (gcc version 4.1.1  
20061011 (Red Hat 4.1.1-30)) #1 SMP Sat Jun 9 02:27:12 MSD 2007
```

Server hardware is Supermicro 1U, 2 x dual core Woodcrest 5110, 2 GB RAM, 2 x SATA 250 GB SATA drives, 2 x Intel(R) PRO/1000 Network

Any ideas what would cause this issue?

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Subject: Re: Slow Network  
Posted by [rickb](#) on Thu, 12 Jul 2007 17:57:36 GMT  
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Hi, if you reboot the node into the standard Centos kernel and run the exact same test, are the results vastly different?

There have been many reports similar to yours (some reported much higher speeds!) but whenever I asked them to perform this test, the problem was shown not to be the kernel, as the speed was approximately the same using the stock (non vz) kernel.

Rick

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Subject: Re: Slow Network

Posted by [moorejon](#) on Thu, 12 Jul 2007 19:09:55 GMT

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I bow to your wisdom. Rebooted into stock smp kernel and get the same results. That will teach me to check the obvious first. I'll try a reload of the base OS no changes just to confirm these results....

Definitely something with the hardware. Appears we have about 4-5 servers slipped into the rack with this issue that only showed after trying to do something really network intensive like drbd.

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