Subject: Re: network performance
Posted by ep1p on Thu, 14 Jun 2007 00:34:56 GMT
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Hmm. I have several of these types of boxes so they should be a pretty much identical architecture (apart from maybe ag1 below). Some have single CPU, some have dual, some have a 3.2ghz chip instead of 2.8ghz and some have more RAM than others. The network cards are pretty much the same- intel onboard gigabit cards (connected to 100meg switches).

my openvz boxes:

Linux box1 2.6.18-028stab031 #1 SMP Thu May 10 11:26:56 GMT 2007 i686 Intel(R) Xeon(TM) CPU 3.20GHz GenuineIntel GNU/Linux

00:13:02 (4.15 MB/s)

Linux box2 2.6.18-028stab031 #1 SMP Fri May 11 14:27:07 GMT 2007 i686 Intel(R) Xeon(TM) CPU 3.20GHz GenuineIntel GNU/Linux

00:06:51 (4.48 MB/s)

Linux box3 2.6.20-gentoo-r8 #3 SMP Fri May 25 00:32:12 BST 2007 i686 Intel(R) Xeon(TM) CPU 3.20GHz GenuineIntel GNU/Linux

01:12:35 (5.22 MB/s)

the others:

Linux ag1 2.6.18-gentoo-r3 #1 SMP Thu Nov 30 06:46:32 GMT 2006 i686 Intel(R) Xeon(R) CPU 5160 @ 3.00GHz GenuineIntel GNU/Linux

01:12:02 (5.21 MB/s)

Linux ag2 2.6.14-hardened-r3 #4 SMP Wed Feb 22 15:03:41 GMT 2006 i686 Intel(R) Xeon(TM) CPU 2.80GHz GenuineIntel GNU/Linux

01:08:45 (1.26 MB/s)

Linux ag3 2.6.14-hardened-r6 #2 SMP Tue Apr 11 16:49:45 GMT 2006 i686 Intel(R) Xeon(TM) CPU 2.80GHz GenuineIntel GNU/Linux

01:19:32 (1.25 MB/s)

Linux ag4 2.6.20-hardened-r2 #3 SMP Tue Jun 12 16:35:52 BST 2007 i686 Intel(R) Xeon(TM) CPU 2.80GHz GenuineIntel GNU/Linux

02:20:04 (1.70 MB/s)

Linux ag5 2.6.16-hardened-r6 #2 SMP Mon May 22 21:09:25 BST 2006 i686 Intel(R) Xeon(TM) CPU 3.20GHz GNU/Linux

01:23:02 (1.22 MB/s)

Linux ag6 2.6.16-hardened-r6 #2 SMP Mon May 22 21:09:44 BST 2006 i686 Intel(R) Xeon(TM) CPU 2.80GHz GNU/Linux

01:25:23 (1.26 MB/s)

box3 was running the openvz kernel and also had similar faster speeds with that.

I originally noticed this as I saw what appeared to be a 10Mbps bottleneck on a connection to something I don't control, but found from a vps server on my network there wasn't such an issue. Speeds to a local 100meg source are pretty much identical and are as would be expected on all these boxes.

The network equipment my side isn't a problem, nor is routing, or IP address as I've tried putting the same IP on different box with no difference to results.

The only thing I can think of is kernel, network driver (within kernel) or other network parameters like MTU/MSS/ window scaling etc that would adjust how things work over distance. Are there any performance tweaks done to net stuff for openvz?

Any thoughts of where to look? I guess this looks less like of an openvz issue now though

<edit - perhaps its hardened kernel? hmm..>

john