
Subject: Re: slow network performance

Posted by [John Paul Walters](#) on Thu, 29 Mar 2007 17:52:32 GMT

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I can't conduct the tests on the original hardware because we are running FC5. I get some package conflicts if I try to install a 2.6.9 series kernel. However, I've conducted the tests again on two RHEL4 based machines that DO support the 2.6.9 series kernel and I've posted some results below.

From VPS->VPS (with kernel 2.6.9-023stab040.1-smp):

```
./netperf -H 10.1.1.209 -l 100
TCP STREAM TEST from 0.0.0.0 (0.0.0.0) port 0 AF_INET to 10.1.1.209 (10.1.1.209) port 0
AF_INET
Recv Send Send
Socket Socket Message Elapsed
Size Size Size Time Throughput
bytes bytes bytes secs. 10^6bits/sec

87380 16384 16384 99.00 461.66
```

From VE0->VE0 (with kernel 2.6.9-023stab040.1-smp):

```
./netperf -H pdcl09 -l 100
TCP STREAM TEST from 0.0.0.0 (0.0.0.0) port 0 AF_INET to pdcl09 (10.1.1.109) port 0 AF_INET
Recv Send Send
Socket Socket Message Elapsed
Size Size Size Time Throughput
bytes bytes bytes secs. 10^6bits/sec

87380 16384 16384 100.21 724.75
```

And here's the output from VPS->VE0:

```
./netperf -H 10.1.1.109 -l 100
TCP STREAM TEST from 0.0.0.0 (0.0.0.0) port 0 AF_INET to 10.1.1.109 (10.1.1.109) port 0
AF_INET
Recv Send Send
Socket Socket Message Elapsed
Size Size Size Time Throughput
bytes bytes bytes secs. 10^6bits/sec

87380 16384 16384 100.00 521.19
```

Just as a comparison point, here's the netperf output from a more recent testing kernel. So matters did improve a bit at on the VE0 side.

From VE0->VE0 (with kernel 2.6.18-ovz028test010.1-smp):

```
./netperf -H pdcl08 -l 100
TCP STREAM TEST from 0.0.0.0 (0.0.0.0) port 0 AF_INET to pdcl08 (10.1.1.108) port 0 AF_INET
Recv Send Send
Socket Socket Message Elapsed
Size Size Size Time Throughput
bytes bytes bytes secs. 10^6bits/sec

87380 16384 16384 100.00 813.20
```

But on the VPS->VPS side, things are again pretty poor:

```
./netperf -H 10.1.1.209
TCP STREAM TEST from 0.0.0.0 (0.0.0.0) port 0 AF_INET to 10.1.1.209 (10.1.1.209) port 0
AF_INET
Recv Send Send
Socket Socket Message Elapsed
Size Size Size Time Throughput
bytes bytes bytes secs. 10^6bits/sec

87380 16384 16384 10.00 476.44
```

Any thoughts?
JP