
Subject: Can't ping VE from Host

Posted by [John Wells](#) on Sat, 12 Aug 2006 05:21:53 GMT

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Guys,

I'm having a problem and not sure what to do with it.

I have multiple VEs set up on the 192.168.4.0 address space. I can ping between VEs on this address space just fine. I can also ping to the internet from the VEs through SNAT'ing. However, I cannot ping a VE from the host.

My host's network configuration looks like this:

```
eth0    Link encap:Ethernet  HWaddr 00:0E:0C:68:64:37
        inet addr:72.232.35.21  Bcast:72.255.255.255  Mask:255.255.255.248
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:623650 errors:0 dropped:0 overruns:0 frame:0
        TX packets:367893 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:809894993 (772.3 MiB)  TX bytes:40242273 (38.3 MiB)
```

```
lo      Link encap:Local Loopback
        inet addr:127.0.0.1  Mask:255.0.0.0
        UP LOOPBACK RUNNING  MTU:16436  Metric:1
        RX packets:494 errors:0 dropped:0 overruns:0 frame:0
        TX packets:494 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:41061 (40.0 KiB)  TX bytes:41061 (40.0 KiB)
```

```
venet0  Link encap:UNSPEC  HWaddr
00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
        RX packets:32406 errors:0 dropped:0 overruns:0 frame:0
        TX packets:47204 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:1520987 (1.4 MiB)  TX bytes:65469683 (62.4 MiB)
```

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use
192.168.4.2	0.0.0.0	255.255.255.255	UH	0	0	0
venet0						
192.168.4.3	0.0.0.0	255.255.255.255	UH	0	0	0
venet0						
192.168.4.4	0.0.0.0	255.255.255.255	UH	0	0	0
venet0						

```
72.232.35.14  0.0.0.0      255.255.255.248 U   0   0   0 eth0
0.0.0.0      72.232.35.15  0.0.0.0      UG  0   0   0 eth0
```

One of my VEs looks like:

```
lo      Link encap:Local Loopback
        inet addr:127.0.0.1  Mask:255.0.0.0
        UP LOOPBACK RUNNING  MTU:16436  Metric:1
        RX packets:494 errors:0 dropped:0 overruns:0 frame:0
        TX packets:494 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:41061 (40.0 KiB)  TX bytes:41061 (40.0 KiB)

venet0  Link encap:UNSPEC  HWaddr
00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        inet addr:127.0.0.1  P-t-P:127.0.0.1  Bcast:0.0.0.0
Mask:255.255.255.255
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
        RX packets:1340 errors:0 dropped:0 overruns:0 frame:0
        TX packets:813 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:1902327 (1.8 MiB)  TX bytes:35620 (34.7 KiB)

venet0:0 Link encap:UNSPEC  HWaddr
00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        inet addr:192.168.4.4  P-t-P:192.168.4.4  Bcast:0.0.0.0
Mask:255.255.255.255
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
```

Again, I can ping just fine from between VEs and from VE--->Internet,
but not from hardware host to VE. This obviously prevents me from doing
port forwarding to VEs.

Can someone help me out?

Thanks!
John

Subject: Re: Can't ping VE from Host
Posted by [dim](#) on Tue, 15 Aug 2006 12:06:42 GMT
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John,

Could you post also the routing table in the above VE?
Probably it'll help to understand, what's wrong.

On Saturday 12 August 2006 09:21, John Wells wrote:

```
> Guys,
>
> I'm having a problem and not sure what to do with it.
>
> I have multiple VEs set up on the 192.168.4.0 address space. I can ping
> between VEs on this address space just fine. I can also ping to the
> internet from the VEs through SNAT'ing. However, I cannot ping a VE from
> the host.
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> venet0  Link encap:UNSPEC  HWaddr
> 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
>          UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
>          RX packets:32406 errors:0 dropped:0 overruns:0 frame:0
>          TX packets:47204 errors:0 dropped:0 overruns:0 carrier:0
>          collisions:0 txqueuelen:0
>          RX bytes:1520987 (1.4 MiB)  TX bytes:65469683 (62.4 MiB)
>
> Kernel IP routing table
> Destination  Gateway      Genmask      Flags Metric Ref  Use
> Iface
> 192.168.4.2   0.0.0.0      255.255.255.255 UH    0    0    0
> venet0
> 192.168.4.3   0.0.0.0      255.255.255.255 UH    0    0    0
> venet0
> 192.168.4.4   0.0.0.0      255.255.255.255 UH    0    0    0
> venet0
> 72.232.35.14  0.0.0.0      255.255.255.248 U    0    0    0
> eth0 0.0.0.0     72.232.35.15 0.0.0.0      UG    0    0
```

> 0 eth0
>
> One of my VEs looks like:
>
> lo Link encap:Local Loopback
> inet addr:127.0.0.1 Mask:255.0.0.0
> UP LOOPBACK RUNNING MTU:16436 Metric:1
> RX packets:494 errors:0 dropped:0 overruns:0 frame:0
> TX packets:494 errors:0 dropped:0 overruns:0 carrier:0
> collisions:0 txqueuelen:0
> RX bytes:41061 (40.0 KiB) TX bytes:41061 (40.0 KiB)
>
> venet0 Link encap:UNSPEC HWaddr
> 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
> inet addr:127.0.0.1 P-t-P:127.0.0.1 Bcast:0.0.0.0
> Mask:255.255.255.255
> UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
> RX packets:1340 errors:0 dropped:0 overruns:0 frame:0
> TX packets:813 errors:0 dropped:0 overruns:0 carrier:0
> collisions:0 txqueuelen:0
> RX bytes:1902327 (1.8 MiB) TX bytes:35620 (34.7 KiB)
>
> venet0:0 Link encap:UNSPEC HWaddr
> 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
> inet addr:192.168.4.4 P-t-P:192.168.4.4 Bcast:0.0.0.0
> Mask:255.255.255.255
> UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
>
> Again, I can ping just fine from between VEs and from VE--->Internet,
> but not from hardware host to VE. This obviously prevents me from doing
> port forwarding to VEs.
>
> Can someone help me out?
>
> Thanks!
> John
>
--
Thanks,
Dmitry.
