
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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> My host's network configuration looks like this:

>

> eth0 Link encap:Ethernet HWaddr 00:0E:0C:68:64:37

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> 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

> 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.
```
