
Subject: *SOLVED* Networking Issue
Posted by [ataraxis](#) on Tue, 01 Aug 2006 14:49:16 GMT
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Hi,
I am running
Quote:m00host:~# uname -a
Linux m00host 2.6.16-026test015 #1 SMP Tue Aug 1 09:34:43 CEST 2006 i686 GNU/Linux
on a Debian System.

Installation went fine, but VE don't have network.
I can ping from the HN to the outside world
I can ping from the HN to the VE
I cannot ping from the VE to anywhere (including virtual router, HN)

I also have a nmap prob on the HN, maybe it's related:
Quote:
m00host:~# nmap x.y.z.229

Starting nmap 3.81 (<http://www.insecure.org/nmap/>) at 2006-08-01 15:19 CEST
Failed to find interface venet0 mentioned in /proc/net/route

QUITTING!

Here are some infos:
ifconfig -a
HN

```
m00host:~# ifconfig -a
eth0   Protokoll:Ethernet Hardware Adresse 00:13:72:69:F2:4A
       inet Adresse:x.y.z.228 Bcast:x.y.z.255 Maske:255.255.255.224
       UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
       RX packets:10932 errors:0 dropped:0 overruns:0 frame:0
       TX packets:10383 errors:0 dropped:0 overruns:0 carrier:0
       Kollisionen:0 Sendewarteschlangenlänge:1000
       RX bytes:799295 (780.5 KiB) TX bytes:778275 (760.0 KiB)
       Basisadresse:0xdcc0 Speicher:fe7e0000-fe800000
```

```
eth1   Protokoll:Ethernet Hardware Adresse 00:13:72:69:F2:4B
       BROADCAST MULTICAST MTU:1500 Metric:1
       RX packets:0 errors:0 dropped:0 overruns:0 frame:0
       TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
       Kollisionen:0 Sendewarteschlangenlänge:1000
       RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)
       Basisadresse:0xdc80 Speicher:fe7c0000-fe7e0000
```

```
lo     Protokoll:Lokale Schleife
```

```
inet Adresse:127.0.0.1 Maske:255.0.0.0
UP LOOPBACK RUNNING MTU:16436 Metric:1
RX packets:77 errors:0 dropped:0 overruns:0 frame:0
TX packets:77 errors:0 dropped:0 overruns:0 carrier:0
Kollisionen:0 Sendewarteschlangenlänge:0
RX bytes:8645 (8.4 KiB) TX bytes:8645 (8.4 KiB)
```

```
venet0 Protokoll:UNSPEC Hardware Adresse
00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
UP BROADCAST PUNKTZUPUNKT RUNNING NOARP MTU:1500 Metric:1
RX packets:25 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
Kollisionen:0 Sendewarteschlangenlänge:0
RX bytes:1462 (1.4 KiB) TX bytes:0 (0.0 b)
```

VE:

```
m00host:~# vzctl exec 110 ifconfig -a
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:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)
```

```
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:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:23 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:0 (0.0 b) TX bytes:1294 (1.2 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:x.y.z.230 P-t-P:x.y.z.230 Bcast:0.0.0.0 Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
```

```
route -n
HN:
```

```
m00host:~# route -n
Kernel IP Routentabelle
Ziel Router Genmask Flags Metric Ref Use Iface
x.y.z.229 0.0.0.0 255.255.255.255 UH 0 0 0 venet0
x.y.z.230 0.0.0.0 255.255.255.255 UH 0 0 0 venet0
x.x.z.224 0.0.0.0 255.255.255.224 U 0 0 0 eth0
```

```
0.0.0.0    x.y.z.225 0.0.0.0    UG  0  0    0 eth0
```

VE:

```
m00host:~# vzctl exec 110 route -n
```

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
191.255.255.1	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
0.0.0.0	191.255.255.1	0.0.0.0	UG	0	0	0	venet0

These are the VEs on my HN:

```
m00host:~# vzlist -a
```

VPSID	NPROC	STATUS	IP_ADDR	HOSTNAME
102	16	running	x.y.z.229	m00s02
110	8	running	x.y.z.230	m00s10

Any help is appreciated,

Kai

Subject: Re: Networking Issue

Posted by [Vasily Tarasov](#) on Wed, 02 Aug 2006 06:09:25 GMT

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Can you post

```
#cat /proc/sys/net/ipv4/ip_forward
```

output here.

If the output is zero ("0"), then you should do

```
#echo 1 > /proc/sys/net/ipv4/ip_forward
```

Subject: Re: Networking Issue

Posted by [ataraxis](#) on Wed, 02 Aug 2006 07:45:33 GMT

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ip forwarding was already on

```
Quote:m00host:~# cat /proc/sys/net/ipv4/ip_forward
```

1

Subject: Re: Networking Issue

Posted by [Vasily Tarasov](#) on Wed, 02 Aug 2006 07:55:49 GMT

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Hmm... looks like it should work
What about iptables rules?

Subject: Re: Networking Issue
Posted by [hvdkamer](#) on Wed, 02 Aug 2006 08:01:24 GMT
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I had the same problem. After a lot of trying I discovered that you need to load the ip_contrack as follows:

```
modprobe ip_contrack ip_contrack_enable_ve0=1
```

If this module is loaded without the option, unloading en reloading doesn't do the trick! You must reboot (the old Windows trick) and make sure that this module is loaded with the option before any of the other ip_ modules are loaded.

There is also a possibility that Debian has some problems with the venet0 en venet0:0 construct. If the above is not the solution, you could read [this post](#).

Subject: Re: Networking Issue
Posted by [ataraxis](#) on Wed, 02 Aug 2006 08:10:23 GMT
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iptables: all chains on accept

HN:

```
Quote:m00host:~# iptables -L -vn
```

```
Chain INPUT (policy ACCEPT 58025 packets, 49M bytes)
```

```
pkts bytes target  prot opt in  out  source          destination
```

```
Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)
```

```
pkts bytes target  prot opt in  out  source          destination
```

```
Chain OUTPUT (policy ACCEPT 41010 packets, 6352K bytes)
```

```
pkts bytes target  prot opt in  out  source          destination
```

VE:

```
Quote:m00host:~# vzctl exec 110 iptables -L -vn
```

```
Chain INPUT (policy ACCEPT 0 packets, 0 bytes)
```

```
pkts bytes target  prot opt in  out  source          destination
```

```
Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)
```

```
pkts bytes target  prot opt in  out  source          destination
```

Chain OUTPUT (policy ACCEPT 164 packets, 9188 bytes)
pkts bytes target prot opt in out source destination

Subject: Re: Networking Issue
Posted by [ataraxis](#) on Wed, 02 Aug 2006 08:17:03 GMT
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hvdkamer wrote on Wed, 02 August 2006 10:01 I had the same problem. After a lot of trying I discovered that you need to load the ip_contrack as follows:

```
modprobe ip_contrack ip_contrack_enable_ve0=1
```

If this module is loaded without the option, unloading en reloading doesn't do the trick! You must reboot (the old Windows trick) and make sure that this module is loaded with the option before any of the other ip_ modules are loaded.

Rebooted, added the module -> works.
Thank you!
