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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

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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
```

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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

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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?

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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\_conntrack as follows:

```
modprobe ip_conntrack ip_conntrack_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](#).

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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

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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 10:01I 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!

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