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Subject: Network problems (git kernel 2.4.24).

Posted by [Rafael Ithuriz](#) on Wed, 02 Apr 2008 15:45:40 GMT

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Hi,

I have network problem with openvz... I can't ping outside the HN with VE (i have stable openvz working with almost the same config in another server).

uname -a

Linux proxy 2.6.24-openvz1 #1 SMP Tue Apr 1 14:47:32 VET 2008 x86\_64  
GNU/Linux

ip route list table all

```
192.168.0.250 dev venet0  scope link  src 192.168.0.200
192.168.0.201 dev venet0  scope link  src 192.168.0.200
192.168.0.0/24 dev eth1  proto kernel  scope link  src 192.168.0.200
default via 192.168.0.1 dev eth1
broadcast 192.168.0.255 dev eth1  table 255  proto kernel  scope link
src 192.168.0.200
broadcast 127.255.255.255 dev lo  table 255  proto kernel  scope link
src 127.0.0.1
local 192.168.0.200 dev eth1  table 255  proto kernel  scope host  src
192.168.0.200
broadcast 192.168.0.0 dev eth1  table 255  proto kernel  scope link  src
192.168.0.200
broadcast 127.0.0.0 dev lo  table 255  proto kernel  scope link  src
127.0.0.1
local 127.0.0.1 dev lo  table 255  proto kernel  scope host  src 127.0.0.1
local 127.0.0.0/8 dev lo  table 255  proto kernel  scope host  src
127.0.0.1
local ::1 via :: dev lo  proto none  metric 0  mtu 16436 advmss 16376
hoplimit 4294967295
local fe80::21a:64ff:fe98:656 via :: dev lo  proto none  metric 0  mtu
16436 advmss 16376 hoplimit 4294967295
fe80::/64 dev eth1  metric 256  expires 8567024sec mtu 1500 advmss 1440
hoplimit 4294967295
ff00::/8 dev eth1  metric 256  expires 8567024sec mtu 1500 advmss 1440
hoplimit 4294967295
unreachable default dev lo  table unspec  proto none  metric -1  error
-101 hoplimit 255
```

iptables -L

Chain INPUT (policy ACCEPT)

target prot opt source destination

Chain FORWARD (policy DROP)

```
target prot opt source          destination
Chain OUTPUT (policy ACCEPT)
target prot opt source          destination

tcpdump -i venet0 -e host 192.168.0.6
tcpdump: WARNING: arptype 65535 not supported by libpcap - falling back
to cooked socket
tcpdump: WARNING: venet0: no IPv4 address assigned
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
listening on venet0, link-type LINUX_SLL (Linux cooked), capture size 96
bytes
04:51:22.866438 In ethertype IPv4 (0x0800), length 100: 192.168.0.201 >
192.168.0.6: ICMP echo request, id 31489, seq 1, length 64
04:51:23.868812 In ethertype IPv4 (0x0800), length 100: 192.168.0.201 >
192.168.0.6: ICMP echo request, id 31489, seq 2, length 64
04:51:24.871478 In ethertype IPv4 (0x0800), length 100: 192.168.0.201 >
192.168.0.6: ICMP echo request, id 31489, seq 3, length 64
04:51:25.874154 In ethertype IPv4 (0x0800), length 100: 192.168.0.201 >
192.168.0.6: ICMP echo request, id 31489, seq 4, length 64
04:51:26.876810 In ethertype IPv4 (0x0800), length 100: 192.168.0.201 >
192.168.0.6: ICMP echo request, id 31489, seq 5, length 64
04:51:27.879466 In ethertype IPv4 (0x0800), length 100: 192.168.0.201 >
192.168.0.6: ICMP echo request, id 31489, seq 6, length 64
04:51:28.882174 In ethertype IPv4 (0x0800), length 100: 192.168.0.201 >
192.168.0.6: ICMP echo request, id 31489, seq 7, length 64
04:51:29.884850 In ethertype IPv4 (0x0800), length 100: 192.168.0.201 >
192.168.0.6: ICMP echo request, id 31489, seq 8, length 64
04:51:30.887506 In ethertype IPv4 (0x0800), length 100: 192.168.0.201 >
192.168.0.6: ICMP echo request, id 31489, seq 9, length 64
```

9 packets captured  
9 packets received by filter  
0 packets dropped by kernel

(This when i ping inside the VE to 192.168.0.6)

```
ping 192.168.0.6
PING 192.168.0.6 (192.168.0.6) 56(84) bytes of data.

--- 192.168.0.6 ping statistics ---
12 packets transmitted, 0 received, 100% packet loss, time 11029ms
```

I can ping all VE's to HN... But not ping between them.

/etc/sysctl.conf

---

```
-----  
net.ipv4.ip_forward = 1
```

```
net.ipv4.conf.default.proxy_arp = 0  
net.ipv4.conf.all.rp_filter = 1  
kernel.sysrq = 1  
net.ipv4.conf.default.send_redirects = 1  
net.ipv4.conf.all.send_redirects = 0
```

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```
/etc/network/interfaces
```

---

```
auto lo  
iface lo inet loopback  
  
allow-hotplug eth0  
iface eth0 inet dhcp  
  
auto eth1  
iface eth1 inet static  
    address 192.168.0.200  
    netmask 255.255.255.0  
    broadcast 192.168.0.255  
    gateway 192.168.0.1  
    up sysctl -w net.ipv4.conf.eth1.proxy_arp=100  
    pre-down sysctl -w net.ipv4.conf.eth1.proxy_arp=0
```

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Thanks for any help.

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a.k.a. pelox (Debian Powered) | JID:ristoriz@gusl.org.ve  
Barquisimeto [VE] | LinuxUser [238188]  
<http://pelox.gusl.org.ve>

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