Subject: Another Centos 6 network problem
Posted by surftimer on Wed, 21 Dec 2011 16:57:42 GMT
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Hi Folks

First of all , it works with Centos 5.5 to 5.7 on a production machine !! (Same hardware , same network settings etc.)

I wanted to upgrade to Centos 6 and did a clean install on a test server (same hardware) first.
2 Nic´s , one is eth0 connected to the LAN , eth1 connected to the router with public IP from ISP.

I can ping and access the VE from the internet (SSH , Web server etc.) but not from the LAN.

Here are some details :

eth0 (lan) IP 192.168.0.52 , netmask 255.255.255.0 gateway 192.168.0.254
eth1 (wan) IP 62.XX.XX.249 , netmask 255.255.255.240 gateway 62.XX.XX.241

VE IP_ADDRESS set in config file 62.XX.XX.252

ifconfig shows :

```
eth0      Link encap:Ethernet  HWaddr 00:0A:E6:05:DE:DD
          inet addr:192.168.0.52  Bcast:192.168.0.255  Mask:255.255.255.0
          inet6 addr: fe80::20a:e6ff:fe05:dedd/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:10954 errors:0 dropped:0 overruns:0 frame:0
          TX packets:7560 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:925918 (904.2 KiB)  TX bytes:1754733 (1.6 MiB)

eth1      Link encap:Ethernet  HWaddr 00:E0:4C:58:D6:B8
          inet addr:62.XX.XX.249  Bcast:62.XX.XX.255  Mask:255.255.255.240
          inet6 addr: fe80::2e0:4cff:fe58:d6b8/64 Scope:Link
          UP BROADCAST RUNNING PROMISC MULTICAST  MTU:1500  Metric:1
          RX packets:21073 errors:0 dropped:0 overruns:0 frame:0
          TX packets:18812 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:9646132 (9.1 MiB)  TX bytes:2860358 (2.7 MiB)
          Interrupt:22

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:12 errors:0 dropped:0 overruns:0 frame:0
          TX packets:12 errors:0 dropped:0 overruns:0 carrier:0
```

```
        collisions:0 txqueuelen:0
        RX bytes:1920 (1.8 KiB)  TX bytes:1920 (1.8 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:4394 errors:0 dropped:0 overruns:0 frame:0
        TX packets:6166 errors:0 dropped:42 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:267950 (261.6 KiB)  TX bytes:7952725 (7.5 MiB)


ip route shows :

62.XX.XX.252 dev venet0  scope link
62.XX.XX.240/28 dev eth1  proto kernel  scope link  src 62.XX.XX.249
192.168.0.0/24 dev eth0  proto kernel  scope link  src 192.168.0.52
169.254.0.0/16 dev eth1  scope link  metric 1002
169.254.0.0/16 dev eth0  scope link  metric 1003
default via 62.XX.XX.241 dev eth1

Kernel Version 2.6.32-042stab044.11

service iptables is stopped

cat /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
net.ipv4.icmp_echo_ignore_broadcasts=1
net.ipv4.conf.default.forwarding=1


tcpdump -i eth1 -vvvvvv icmp
tcpdump: listening on eth1, link-type EN10MB (Ethernet), capture size 65535 bytes
17:52:14.221658 IP (tos 0x0, ttl 127, id 29470, offset 0, flags [none], proto ICMP (1), length 60)
    192.168.0.225 > 62-XX-XX-252: ICMP echo request, id 512, seq 39168, length 40
17:52:19.435891 IP (tos 0x0, ttl 127, id 29473, offset 0, flags [none], proto ICMP (1), length 60)
    192.168.0.225 > 62-XX-XX-252: ICMP echo request, id 512, seq 39424, length 40
17:52:24.936865 IP (tos 0x0, ttl 127, id 29509, offset 0, flags [none], proto ICMP (1), length 60)
    192.168.0.225 > 62-XX-XX-252.c-ggoesting.xdsl-line.inode.at: ICMP echo request, id 512, seq
39680, length 40
17:52:30.437860 IP (tos 0x0, ttl 127, id 29511, offset 0, flags [none], proto ICMP (1), length 60)
    192.168.0.225 > 62-XX-XX-252: ICMP echo request, id 512, seq 39936, length 40
17:52:40.356925 IP (tos 0x0, ttl 127, id 29555, offset 0, flags [none], proto ICMP (1), length 60)
    192.168.0.225 > 62-XX-XX-249: ICMP echo request, id 512, seq 40192, length 40
```

17:52:45.440720 IP (tos 0x0, ttl 127, id 29592, offset 0, flags [none], proto ICMP (1), length 60)

as mentioned above , it works with Centos 5.7 with same settings.

Any help would be great , if you need more details please tell me

Thank you in advance

Michael
