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Subject: Container's Public IP displaying Host's IP, not it's own

Posted by [domz](#) on Sat, 23 Mar 2013 18:42:44 GMT

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Hello,

For one of my servers, the containers display the Host's IP address.

In side Container:

```
# ifconfig
```

```
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:2 errors:0 dropped:0 overruns:0 frame:0
        TX packets:2 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:100 (100.0 b)  TX bytes:100 (100.0 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:62347 errors:0 dropped:0 overruns:0 frame:0
        TX packets:58783 errors:0 dropped:5 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:23077155 (22.0 MiB)  TX bytes:43778970 (41.7 MiB)
```

```
venet0:0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        inet addr:83.149.xxx.171  P-t-P:83.149.125.171  Bcast:83.149.125.171
        Mask:255.255.255.255
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
```

```
# wget -q -O - checkip.dyndns.org | sed -e 's/.*Current IP Address: //' -e 's/<.*$//'
83.149.xxx.168
```

(Shows the wrong public IP!)

Host:

```
# ifconfig
```

```
eth0    Link encap:Ethernet  HWaddr 3C:4A:92:xx:FD:6A
        inet addr:83.149.xxx.168  Bcast:83.149.xx.191  Mask:255.255.255.192
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:495494749 errors:0 dropped:5973 overruns:0 frame:2838
        TX packets:863288394 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:351356517458 (327.2 GiB)  TX bytes:1145858590287 (1.0 TiB)
        Interrupt:16
```

```
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
      UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
      RX packets:850670083 errors:0 dropped:0 overruns:0 frame:0
      TX packets:489453060 errors:0 dropped:31 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:1112947460597 (1.0 TiB)  TX bytes:341766447763 (318.2 GiB)
```

This is my:

```
# iptables-save
# Generated by iptables-save v1.4.7 on Sat Mar 23 18:36:48 2013
*filter
:INPUT ACCEPT [1006:112751]
:FORWARD ACCEPT [3327942:3701552977]
:OUTPUT ACCEPT [959:77453]
:SOLUSVM_TRAFFIC_IN - [0:0]
:SOLUSVM_TRAFFIC_OUT - [0:0]
-A FORWARD -j SOLUSVM_TRAFFIC_IN
-A FORWARD -j SOLUSVM_TRAFFIC_OUT
-A FORWARD -s 83.149.1x5.173/32
-A FORWARD -d 83.149.1x5.173/32
-A FORWARD -s 62.212.xx.2/32
-A FORWARD -d 62.212.xx.2/32
-A FORWARD -s 62.212.xx.15/32
-A FORWARD -d 62.212.xx.15/32
-A SOLUSVM_TRAFFIC_IN -d 83.149.xx.171/32
-A SOLUSVM_TRAFFIC_IN -d 83.149.xx.169/32
-A SOLUSVM_TRAFFIC_IN -d 83.149.xx.170/32
-A SOLUSVM_TRAFFIC_IN -d 83.149.xx.173/32
-A SOLUSVM_TRAFFIC_IN -d 62.212.xx.1/32
-A SOLUSVM_TRAFFIC_IN -d 62.212.xx.2/32
-A SOLUSVM_TRAFFIC_OUT -s 83.149.xxx.171/32
-A SOLUSVM_TRAFFIC_OUT -s 83.149.xx.169/32
-A SOLUSVM_TRAFFIC_OUT -s 83.149.x.170/32
-A SOLUSVM_TRAFFIC_OUT -s 83.149.x.173/32
-A SOLUSVM_TRAFFIC_OUT -s 62.212.x.1/32
```

```
-A SOLUSVM_TRAFFIC_OUT -s 62.212.x.2/32
COMMIT
# Completed on Sat Mar 23 18:36:48 2013
# Generated by iptables-save v1.4.7 on Sat Mar 23 18:36:48 2013
*mangle
:PREROUTING ACCEPT [1338837358:1448140876721]
:INPUT ACCEPT [5139155:469958462]
:FORWARD ACCEPT [1333694487:1447670620868]
:OUTPUT ACCEPT [2334740:16866229772]
:POSTROUTING ACCEPT [1336029227:1464536850640]
COMMIT
# Completed on Sat Mar 23 18:36:48 2013
# Generated by iptables-save v1.4.7 on Sat Mar 23 18:36:48 2013
*nat
:PREROUTING ACCEPT [1076908:73907730]
:POSTROUTING ACCEPT [26875:1560384]
:OUTPUT ACCEPT [1420:100955]
-A POSTROUTING -o eth0 -j MASQUERADE
COMMIT
# Completed on Sat Mar 23 18:36:48 2013

# ip ro sh
83.149.x.169 dev venet0 scope link
83.149.x.171 dev venet0 scope link
83.149.x.170 dev venet0 scope link
83.149.x.173 dev venet0 scope link
62.212.x.2 dev venet0 scope link
62.212.x.1 dev venet0 scope link
83.149.x.128/26 dev eth0 proto kernel scope link src 83.149.x.168
169.254.0.0/16 dev eth0 scope link metric 1002
default via 83.149.x.190 dev eth0
```

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