
Subject: Containers Use Host IP and not configured IPs
Posted by [scottcase](#) on Sat, 02 May 2015 15:21:26 GMT

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Hello,

I am having a networking issue i cant seem to figure out.

Here is what I did

- 1: took backups of all VPSs & did a clean OS install on the server (CentOS 6.5)
- 2: reinstalled SolusVM control panel with openvz virtualization
- 3: restored VPSs with vzdump --restore ...

The issue is that the VPSs are now using the Host IP address and not the IP configured

```
# vzctl restart 115
Restarting container
Stopping container ...
Container was stopped
Container is unmounted
Starting container...
Container is mounted
Adding IP address(es): 7x.xx.139.109 7x.xx.138.128
Setting CPU limit: 200
Setting CPU units: 1000
Setting CPUs: 2
Container start in progress...
```

```
# vzctl enter 115
entered into CT 115
[~]# lynx -dump http //www.cpanel.net/showip.cgi
```

```
7x.xx.138.86
```

I really need some help figuring this out. The cpanel installs running on the VPSs are throwing the invalid license screen due to this IP issue

Scott

Subject: Re: Containers Use Host IP and not configured IPs
Posted by [curx](#) on Sat, 02 May 2015 16:09:11 GMT

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Hi,

from the openvz view - add the correct ipv4 to your container via cli like:

```
% vzctl set <CTID> --ipadd 7x.xx.138.86 --save
```

Maybe an SolusVM control panel issue - please check forum at <https://forum.solusvm.com/>, too!

Bye,
Thorsten

Subject: Re: Containers Use Host IP and not configured IPs

Posted by [scottcase](#) on Sat, 02 May 2015 16:18:52 GMT

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Hello Curx

7x.xx.138.86 is the node ip address, the container should be using 7x.xx.139.109 as the main ip address.

I tried your suggestion with no change

```
[root@ ~]# vzctl set 115 --ipadd 7x.xx.139.109 --save
Deleting IP address(es): 7x.xx.139.109
Adding IP address(es): 7x.xx.139.109
CT configuration saved to /etc/vz/conf/115.conf
[root@ ~]# vzctl enter 115
entered into CT 115
root@ [~]# lynx -dump http //www.cpanel.net/showip.cgi
```

```
7x.xx.138.86
```

```
root@[~]# exit
logout
exited from CT 115
[root@ ~]#
```

Scott

Subject: Re: Containers Use Host IP and not configured IPs

Posted by [curx](#) on Sat, 02 May 2015 17:09:18 GMT

Hi,

- * any iptables rules used on hardware node & ct?
- * are you using a proxy for your ct?
- * can you give ip a l && ip r l from hardware node and container (ip/r can be "obfuscated")

Bye,
Thorsten

Subject: Re: Containers Use Host IP and not configured IPs
Posted by [scottcase](#) on Sat, 02 May 2015 17:26:44 GMT
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Hello curx,

Here is the requested information

Host Node

IPTables

```
[root@ ~]# iptables -L
```

```
Chain INPUT (policy ACCEPT)
```

```
target prot opt source destination
```

```
Chain FORWARD (policy ACCEPT)
```

```
target prot opt source destination
```

```
SOLUSVM_TRAFFIC_IN all -- anywhere anywhere
```

```
SOLUSVM_TRAFFIC_OUT all -- anywhere anywhere
```

```
Chain OUTPUT (policy ACCEPT)
```

```
target prot opt source destination
```

```
Chain SOLUSVM_TRAFFIC_IN (1 references)
```

```
target prot opt source destination
```

```
all -- anywhere 7x.xx.139.101
```

```
all -- anywhere 7x.xx.139.102
```

```
all -- anywhere 7x.xx.139.103
```

```
all -- anywhere 7x.xx.139.104
```

```
all -- anywhere 7x.xx.139.105
```

```
all -- anywhere 7x.xx.139.106
```

```
all -- anywhere 7x.xx.139.107
```

```
all -- anywhere 7x.xx.139.109
```

```
all -- anywhere xxxxxxmail.com
```

```
all -- anywhere xxxxxxaseitnow.net
```

```

all -- anywhere      7x.xx.138.6
all -- anywhere      7x.xx.137.254
all -- anywhere      7x.xx.137.253
all -- anywhere      xxxxxxhosting.net
all -- anywhere      xxxxxxeutcart.com
all -- anywhere      xxxxxxasnlne.com
all -- anywhere      xxxxxxutions.com
all -- anywhere      7x.xx.138.128
all -- anywhere      xxxxxxlobal2.com

```

Chain SOLUSVM_TRAFFIC_OUT (1 references)

```

target  prot opt source      destination
all --  7x.xx.139.101  anywhere
all --  7x.xx.139.102  anywhere
all --  7x.xx.139.103  anywhere
all --  7x.xx.139.104  anywhere
all --  7x.xx.139.105  anywhere
all --  7x.xx.139.106  anywhere
all --  7x.xx.139.107  anywhere
all --  7x.xx.139.109  anywhere
all --  xxxxxxmail.com   anywhere
all --  xxxxxxaseitnow.net anywhere
all --  7x.xx.138.6     anywhere
all --  7x.xx.137.254  anywhere
all --  7x.xx.137.253  anywhere
all --  xxxxxxhosting.net anywhere
all --  xxxxxxeutcart.com anywhere
all --  xxxxxxasnlne.com anywhere
all --  xxxxxxutions.com anywhere
all --  7x.xx.138.128  anywhere
all --  xxxxxxlobal2.com anywhere

```

[root@ ~]#

[root@ ~]# ip a l && ip r l

```

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc cbq state UP qlen 1000
    link/ether 00:1a:4b:d5:a0:e2 brd ff:ff:ff:ff:ff:ff
    inet 7x.xx.138.86/21 brd 7x.xx.143.255 scope global eth0
    inet6 fe80::21a:4bff:fed5:a0e2/64 scope link
        valid_lft forever preferred_lft forever
3: eth1: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN qlen 1000
    link/ether 00:1a:4b:d5:a0:e3 brd ff:ff:ff:ff:ff:ff

```

```

5: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,LOWER_UP> mtu 1500 qdisc cbq state
UNKNOWN
  link/void
7x.xx.138.122 dev venet0 scope link
7x.xx.138.125 dev venet0 scope link
7x.xx.138.124 dev venet0 scope link
7x.xx.138.127 dev venet0 scope link
7x.xx.139.102 dev venet0 scope link
7x.xx.138.126 dev venet0 scope link
7x.xx.137.253 dev venet0 scope link
7x.xx.139.105 dev venet0 scope link
7x.xx.139.104 dev venet0 scope link
7x.xx.139.107 dev venet0 scope link
7x.xx.137.254 dev venet0 scope link
7x.xx.139.106 dev venet0 scope link
7x.xx.140.66 dev venet0 scope link
7x.xx.139.109 dev venet0 scope link
7x.xx.138.6 dev venet0 scope link
7x.xx.138.128 dev venet0 scope link
7x.xx.136.0/21 dev eth0 proto kernel scope link src 7x.xx.138.86
169.254.0.0/16 dev eth0 scope link metric 1002
default via 7x.xx.136.1 dev eth0
[root@ ~]#

```

Inside VPS

```

[root@ ~]# vzctl enter 100
entered into CT 100
root@ [/]# iptables -L
Chain INPUT (policy ACCEPT)
target    prot opt source                destination
acctboth  all  -- anywhere             anywhere

Chain FORWARD (policy ACCEPT)
target    prot opt source                destination

Chain OUTPUT (policy ACCEPT)
target    prot opt source                destination
acctboth  all  -- anywhere             anywhere

Chain acctboth (2 references)
target    prot opt source                destination
tcp -- xxxxxxxxutions.com anywhere             tcp dpt:http
tcp -- anywhere          xxxxxxxxutions.com tcp spt:http
tcp -- xxxxxxxxutions.com anywhere             tcp dpt:smtp
tcp -- anywhere          xxxxxxxxutions.com tcp spt:smtp

```

```

tcp -- xxxxxxutions.com anywhere      tcp dpt:pop3
tcp -- anywhere          xxxxxxutions.com tcp spt:pop3
icmp -- xxxxxxutions.com anywhere
icmp -- anywhere        xxxxxxutions.com
tcp -- xxxxxxutions.com anywhere
tcp -- anywhere        xxxxxxutions.com
udp -- xxxxxxutions.com anywhere
udp -- anywhere        xxxxxxutions.com
all -- xxxxxxutions.com anywhere
all -- anywhere        xxxxxxutions.com
tcp -- xxxxxxmail.com  anywhere      tcp dpt:http
tcp -- anywhere        xxxxxxmail.com tcp spt:http
tcp -- xxxxxxmail.com  anywhere      tcp dpt:smtp
tcp -- anywhere        xxxxxxmail.com tcp spt:smtp
tcp -- xxxxxxmail.com  anywhere      tcp dpt:pop3
tcp -- anywhere        xxxxxxmail.com tcp spt:pop3
icmp -- xxxxxxmail.com anywhere
icmp -- anywhere        xxxxxxmail.com
tcp -- xxxxxxmail.com  anywhere
tcp -- anywhere        xxxxxxmail.com
udp -- xxxxxxmail.com  anywhere
udp -- anywhere        xxxxxxmail.com
all -- xxxxxxmail.com  anywhere
all -- anywhere        xxxxxxmail.com
tcp -- xxxxxxasnlne.com anywhere      tcp dpt:http
tcp -- anywhere        xxxxxxasnlne.com tcp spt:http
tcp -- xxxxxxasnlne.com anywhere      tcp dpt:smtp
tcp -- anywhere        xxxxxxasnlne.com tcp spt:smtp
tcp -- xxxxxxasnlne.com anywhere      tcp dpt:pop3
tcp -- anywhere        xxxxxxasnlne.com tcp spt:pop3
icmp -- xxxxxxasnlne.com anywhere
icmp -- anywhere        xxxxxxasnlne.com
tcp -- xxxxxxasnlne.com anywhere
tcp -- anywhere        xxxxxxasnlne.com
udp -- xxxxxxasnlne.com anywhere
udp -- anywhere        xxxxxxasnlne.com
all -- xxxxxxasnlne.com anywhere
all -- anywhere        xxxxxxasnlne.com
tcp -- xxxxxxaseitnow.net anywhere    tcp dpt:http
tcp -- anywhere        xxxxxxaseitnow.net tcp spt:http
tcp -- xxxxxxaseitnow.net anywhere    tcp dpt:smtp
tcp -- anywhere        xxxxxxaseitnow.net tcp spt:smtp
tcp -- xxxxxxaseitnow.net anywhere    tcp dpt:pop3
tcp -- anywhere        xxxxxxaseitnow.net tcp spt:pop3
icmp -- xxxxxxaseitnow.net anywhere
icmp -- anywhere        xxxxxxaseitnow.net
tcp -- xxxxxxaseitnow.net anywhere
tcp -- anywhere        xxxxxxaseitnow.net

```

```

udp -- xxxxxaseitnow.net  anywhere
udp -- anywhere          xxxxxaseitnow.net
all -- xxxxxaseitnow.net  anywhere
all -- anywhere          xxxxxaseitnow.net
tcp -- xxxxxxhosting.net anywhere      tcp dpt:http
tcp -- anywhere          xxxxxxhosting.net tcp spt:http
tcp -- xxxxxxhosting.net anywhere      tcp dpt:smtp
tcp -- anywhere          xxxxxxhosting.net tcp spt:smtp
tcp -- xxxxxxhosting.net anywhere      tcp dpt:pop3
tcp -- anywhere          xxxxxxhosting.net tcp spt:pop3
icmp -- xxxxxxhosting.net anywhere
icmp -- anywhere          xxxxxxhosting.net
tcp -- xxxxxxhosting.net anywhere
tcp -- anywhere          xxxxxxhosting.net
udp -- xxxxxxhosting.net anywhere
udp -- anywhere          xxxxxxhosting.net
all -- xxxxxxhosting.net anywhere
all -- anywhere          xxxxxxhosting.net
tcp -- 7x.xx.139.102     anywhere      tcp dpt:http
tcp -- anywhere          7x.xx.139.102     tcp spt:http
tcp -- 7x.xx.139.102     anywhere      tcp dpt:smtp
tcp -- anywhere          7x.xx.139.102     tcp spt:smtp
tcp -- 7x.xx.139.102     anywhere      tcp dpt:pop3
tcp -- anywhere          7x.xx.139.102     tcp spt:pop3
icmp -- 7x.xx.139.102     anywhere
icmp -- anywhere          7x.xx.139.102
tcp -- 7x.xx.139.102     anywhere
tcp -- anywhere          7x.xx.139.102
udp -- 7x.xx.139.102     anywhere
udp -- anywhere          7x.xx.139.102
all -- 7x.xx.139.102     anywhere
all -- anywhere          7x.xx.139.102
tcp -- 7x.xx.139.104     anywhere      tcp dpt:http
tcp -- anywhere          7x.xx.139.104     tcp spt:http
tcp -- 7x.xx.139.104     anywhere      tcp dpt:smtp
tcp -- anywhere          7x.xx.139.104     tcp spt:smtp
tcp -- 7x.xx.139.104     anywhere      tcp dpt:pop3
tcp -- anywhere          7x.xx.139.104     tcp spt:pop3
icmp -- 7x.xx.139.104     anywhere
icmp -- anywhere          7x.xx.139.104
tcp -- 7x.xx.139.104     anywhere
tcp -- anywhere          7x.xx.139.104
udp -- 7x.xx.139.104     anywhere
udp -- anywhere          7x.xx.139.104
all -- 7x.xx.139.104     anywhere
all -- anywhere          7x.xx.139.104
tcp -- 7x.xx.139.105     anywhere      tcp dpt:http
tcp -- anywhere          7x.xx.139.105     tcp spt:http

```

tcp -- 7x.xx.139.105	anywhere	tcp dpt:smtp
tcp -- anywhere	7x.xx.139.105	tcp spt:smtp
tcp -- 7x.xx.139.105	anywhere	tcp dpt:pop3
tcp -- anywhere	7x.xx.139.105	tcp spt:pop3
icmp -- 7x.xx.139.105	anywhere	
icmp -- anywhere	7x.xx.139.105	
tcp -- 7x.xx.139.105	anywhere	
tcp -- anywhere	7x.xx.139.105	
udp -- 7x.xx.139.105	anywhere	
udp -- anywhere	7x.xx.139.105	
all -- 7x.xx.139.105	anywhere	
all -- anywhere	7x.xx.139.105	
tcp -- 7x.xx.139.106	anywhere	tcp dpt:http
tcp -- anywhere	7x.xx.139.106	tcp spt:http
tcp -- 7x.xx.139.106	anywhere	tcp dpt:smtp
tcp -- anywhere	7x.xx.139.106	tcp spt:smtp
tcp -- 7x.xx.139.106	anywhere	tcp dpt:pop3
tcp -- anywhere	7x.xx.139.106	tcp spt:pop3
icmp -- 7x.xx.139.106	anywhere	
icmp -- anywhere	7x.xx.139.106	
tcp -- 7x.xx.139.106	anywhere	
tcp -- anywhere	7x.xx.139.106	
udp -- 7x.xx.139.106	anywhere	
udp -- anywhere	7x.xx.139.106	
all -- 7x.xx.139.106	anywhere	
all -- anywhere	7x.xx.139.106	
tcp -- 7x.xx.139.107	anywhere	tcp dpt:http
tcp -- anywhere	7x.xx.139.107	tcp spt:http
tcp -- 7x.xx.139.107	anywhere	tcp dpt:smtp
tcp -- anywhere	7x.xx.139.107	tcp spt:smtp
tcp -- 7x.xx.139.107	anywhere	tcp dpt:pop3
tcp -- anywhere	7x.xx.139.107	tcp spt:pop3
icmp -- 7x.xx.139.107	anywhere	
icmp -- anywhere	7x.xx.139.107	
tcp -- 7x.xx.139.107	anywhere	
tcp -- anywhere	7x.xx.139.107	
udp -- 7x.xx.139.107	anywhere	
udp -- anywhere	7x.xx.139.107	
all -- 7x.xx.139.107	anywhere	
all -- anywhere	7x.xx.139.107	
tcp -- 7x.xx.137.253	anywhere	tcp dpt:http
tcp -- anywhere	7x.xx.137.253	tcp spt:http
tcp -- 7x.xx.137.253	anywhere	tcp dpt:smtp
tcp -- anywhere	7x.xx.137.253	tcp spt:smtp
tcp -- 7x.xx.137.253	anywhere	tcp dpt:pop3
tcp -- anywhere	7x.xx.137.253	tcp spt:pop3
icmp -- 7x.xx.137.253	anywhere	
icmp -- anywhere	7x.xx.137.253	


```
tcp -- 7x.xx.137.253    anywhere
tcp -- anywhere        7x.xx.137.253
udp -- 7x.xx.137.253    anywhere
udp -- anywhere        7x.xx.137.253
all -- 7x.xx.137.253    anywhere
all -- anywhere        7x.xx.137.253
all -- anywhere        anywhere
root@ [/]# ip a l && ip r l
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,LOWER_UP> mtu 1500 qdisc noqueue
    link/void
    inet 127.0.0.1/32 scope host venet0
    inet 7x.xx.138.127/32 brd 7x.xx.138.127 scope global venet0:0
    inet 7x.xx.140.66/32 brd 7x.xx.140.66 scope global venet0:1
    inet 7x.xx.137.253/32 brd 7x.xx.137.253 scope global venet0:10
    inet 7x.xx.138.126/32 brd 7x.xx.138.126 scope global venet0:2
    inet 7x.xx.138.122/32 brd 7x.xx.138.122 scope global venet0:3
    inet 7x.xx.138.124/32 brd 7x.xx.138.124 scope global venet0:4
    inet 7x.xx.139.102/32 brd 7x.xx.139.102 scope global venet0:5
    inet 7x.xx.139.104/32 brd 7x.xx.139.104 scope global venet0:6
    inet 7x.xx.139.105/32 brd 7x.xx.139.105 scope global venet0:7
    inet 7x.xx.139.106/32 brd 7x.xx.139.106 scope global venet0:8
    inet 7x.xx.139.107/32 brd 7x.xx.139.107 scope global venet0:9
169.254.0.0/16 dev venet0 scope link
default dev venet0 scope link
root@ [/]#
```

Subject: Re: Containers Use Host IP and not configured IPs

Posted by [scottcase](#) on Sat, 02 May 2015 19:59:37 GMT

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SolusVM support has resolved the issue for me.

Subject: Re: Containers Use Host IP and not configured IPs

Posted by [curx](#) on Sun, 03 May 2015 09:27:27 GMT

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Can you give us more info, about the solution!

Subject: Re: Containers Use Host IP and not configured IPs

Posted by [scottcase](#) on Sun, 03 May 2015 12:54:35 GMT

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It was something with iptables on the host, they completely reset iptables and all was good. something about the NAT table was messed up.

Subject: Re: Containers Use Host IP and not configured IPs

Posted by [Ales](#) on Mon, 04 May 2015 23:46:31 GMT

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That's odd. If you have a chance, could you do a 'ip a l && ip r l' again? I expect to see a difference here, but I might be wrong.

Could be helpful if it happens to you again, or to somebody else...

Subject: Re: Containers Use Host IP and not configured IPs

Posted by [scottcase](#) on Mon, 04 May 2015 23:53:58 GMT

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This is the command they ran that fixed it

```
iptables -F -t nat
```
