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**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

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**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

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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

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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 hardwarenode & ct?
- \* are you useing a proxy for your ct?
- \* can you give ip a | && ip r | from hardwarenode and container (ip/r can be "obfuscated")

Bye,  
Thorsten

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

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       xxxxxxxxmail.com
      all  --  anywhere       xxxxaseithow.net
```

```

all -- anywhere          7x.xx.138.6
all -- anywhere          7x.xx.137.254
all -- anywhere          7x.xx.137.253
all -- anywhere          xxxxxxxhosting.net
all -- anywhere          xxxxxxxeutcart.com
all -- anywhere          xxxxxxxasnline.com
all -- anywhere          xxxxxxxxutions.com
all -- anywhere          7x.xx.138.128
all -- anywhere          xxxxxxxxlobal2.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	--		xxxxxxxxmail.com	anywhere
all	--		xxxxxxxxaseitnow.net	anywhere
all	--		7x.xx.138.6	anywhere
all	--		7x.xx.137.254	anywhere
all	--		7x.xx.137.253	anywhere
all	--		xxxxxxxxhosting.net	anywhere
all	--		xxxxxxxxeutcart.com	anywhere
all	--		xxxxxxxxasnline.com	anywhere
all	--		xxxxxxxxxutions.com	anywhere
all	--		7x.xx.138.128	anywhere
all	--		xxxxxxxxlobal2.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 -- xxxxxxxxutions.com anywhere      tcp dpt:pop3
tcp -- anywhere      xxxxxxxxutions.com tcp spt:pop3
icmp -- xxxxxxxxutions.com anywhere
icmp -- anywhere      xxxxxxxxutions.com
tcp -- xxxxxxxxutions.com anywhere
tcp -- anywhere      xxxxxxxxutions.com
udp -- xxxxxxxxutions.com anywhere
udp -- anywhere      xxxxxxxxutions.com
all -- xxxxxxxxutions.com anywhere
all -- anywhere      xxxxxxxxutions.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 -- xxxxxasline.com  anywhere      tcp dpt:http
tcp -- anywhere      xxxxxasline.com  tcp spt:http
tcp -- xxxxxasline.com  anywhere      tcp dpt:smtp
tcp -- anywhere      xxxxxasline.com  tcp spt:smtp
tcp -- xxxxxasline.com  anywhere      tcp dpt:pop3
tcp -- anywhere      xxxxxasline.com  tcp spt:pop3
icmp -- xxxxxasline.com  anywhere
icmp -- anywhere      xxxxxasline.com
tcp -- xxxxxasline.com  anywhere
tcp -- anywhere      xxxxxasline.com
udp -- xxxxxasline.com  anywhere
udp -- anywhere      xxxxxasline.com
all -- xxxxxasline.com  anywhere
all -- anywhere      xxxxxasline.com
tcp -- xxxxaseitnow.net  anywhere      tcp dpt:http
tcp -- anywhere      xxxxaseitnow.net  tcp spt:http
tcp -- xxxxaseitnow.net  anywhere      tcp dpt:smtp
tcp -- anywhere      xxxxaseitnow.net  tcp spt:smtp
tcp -- xxxxaseitnow.net  anywhere      tcp dpt:pop3
tcp -- anywhere      xxxxaseitnow.net  tcp spt:pop3
icmp -- xxxxaseitnow.net  anywhere
icmp -- anywhere      xxxxaseitnow.net
tcp -- xxxxaseitnow.net  anywhere
tcp -- anywhere      xxxxaseitnow.net
```

```
udp -- xxxxaseitnow.net anywhere
udp -- anywhere      xxxxaseitnow.net
all -- xxxxaseitnow.net anywhere
all -- anywhere      xxxxaseitnow.net
tcp -- xxxxxhosting.net anywhere      tcp dpt:http
tcp -- anywhere      xxxxxhosting.net tcp spt:http
tcp -- xxxxxhosting.net anywhere      tcp dpt:smtp
tcp -- anywhere      xxxxxhosting.net tcp spt:smtp
tcp -- xxxxxhosting.net anywhere      tcp dpt:pop3
tcp -- anywhere      xxxxxhosting.net tcp spt:pop3
icmp -- xxxxxhosting.net anywhere
icmp -- anywhere      xxxxxhosting.net
tcp -- xxxxxhosting.net anywhere
tcp -- anywhere      xxxxxhosting.net
udp -- xxxxxhosting.net anywhere
udp -- anywhere      xxxxxhosting.net
all -- xxxxxhosting.net anywhere
all -- anywhere      xxxxxhosting.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
tcp -- anywhere      7x.xx.139.102
tcp -- 7x.xx.139.102  anywhere
tcp -- 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
tcp -- 7x.xx.139.104  anywhere
tcp -- 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 |  
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@ [/]#
```

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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.

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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!

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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.

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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...

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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

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