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

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Hi,

* any iptables rules used on hardwarenode & ct?
* are you useing a proxy for your ct?
* can you give ip a l && ip r l from hardwarenode 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 xxxxxaseitnow.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             xxxxxxasnline.com
    all  --  anywhere             xxxxxxxutions.com
    all  --  anywhere             7x.xx.138.128
    all  --  anywhere             xxxxxxxlobal2.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  --  xxxxxaseitnow.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  --  xxxxxxasnline.com    anywhere
    all  --  xxxxxxxutions.com    anywhere
    all  --  7x.xx.138.128        anywhere
    all  --  xxxxxxxlobal2.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  --  xxxxxxxutions.com     anywhere           tcp dpt:http
           tcp  --  anywhere             xxxxxxxutions.com   tcp spt:http
           tcp  --  xxxxxxxutions.com    anywhere           tcp dpt:smtp
           tcp  --  anywhere             xxxxxxxutions.com tcp spt:smtp
```

```
tcp  --  xxxxxxxutions.com  anywhere           tcp dpt:pop3
tcp  --  anywhere           xxxxxxxutions.com tcp spt:pop3
icmp --  xxxxxxxutions.com  anywhere
icmp --  anywhere           xxxxxxxutions.com
tcp  --  xxxxxxxutions.com  anywhere
tcp  --  anywhere           xxxxxxxutions.com
udp  --  xxxxxxxutions.com  anywhere
udp  --  anywhere           xxxxxxxutions.com
all  --  xxxxxxxutions.com  anywhere
all  --  anywhere           xxxxxxxutions.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  --  xxxxxxasnline.com  anywhere           tcp dpt:http
tcp  --  anywhere           xxxxxxasnline.com tcp spt:http
tcp  --  xxxxxxasnline.com  anywhere           tcp dpt:smtp
tcp  --  anywhere           xxxxxxasnline.com tcp spt:smtp
tcp  --  xxxxxxasnline.com  anywhere           tcp dpt:pop3
tcp  --  anywhere           xxxxxxasnline.com tcp spt:pop3
icmp --  xxxxxxasnline.com  anywhere
icmp --  anywhere           xxxxxxasnline.com
tcp  --  xxxxxxasnline.com  anywhere
tcp  --  anywhere           xxxxxxasnline.com
udp  --  xxxxxxasnline.com  anywhere
udp  --  anywhere           xxxxxxasnline.com
all  --  xxxxxxasnline.com  anywhere
all  --  anywhere           xxxxxxasnline.com
tcp  --  xxxxxaseitnow.net    anywhere          tcp dpt:http
tcp  --  anywhere           xxxxxaseitnow.net   tcp spt:http
tcp  --  xxxxxaseitnow.net    anywhere          tcp dpt:smtp
tcp  --  anywhere           xxxxxaseitnow.net   tcp spt:smtp
tcp  --  xxxxxaseitnow.net    anywhere          tcp dpt:pop3
tcp  --  anywhere           xxxxxaseitnow.net   tcp spt:pop3
icmp --  xxxxxaseitnow.net    anywhere
icmp --  anywhere           xxxxxaseitnow.net
tcp  --  xxxxxaseitnow.net    anywhere
tcp  --  anywhere           xxxxxaseitnow.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