Subject: *SOLVED* arpsend: x.x.x.x is detected on another computer
Posted by ganesh35 on Thu, 12 Jul 2007 03:55:09 GMT

Hi, I am facing a problem with ip conflict, here is the error message.

[root@nat ~]# vzctl restart 653
Restarting VE
Stopping VE ...
VE was stopped
VE is unmounted
Starting VE ...
VE is mounted
Adding IP address(es): 192.168.6.53
arpsend: 192.168.6.53 is detected on another computer : 00:17:e0:27:ad:1a
vps-net_add WARNING: arpsend -c 1 -w 1 -D -e 192.168.6.53 eth0 FAILED
Setting CPU units: 1000
Configure meminfo: 49152
VE start in progress...
[root@nat ~]#

My Environment is :

Host OS: CentOS5
OpenVZ Kernel: 2.6.18-8.1.4.el5.028stab035.1 #1 SMP
No of NICs: 2
eth0 connected to internet with public IP
eth1 connected to lan with private IP

I would be pleased supply further information.
Please help me.

Ganesh

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by Vasily Tarasov on Thu, 12 Jul 2007 04:42:18 GMT

Hello,

you assign an IP address 192.168.6.53 to your VE. But somebody else in your network already use this IP address. The MAC address of this "bad guy" is 00:17:e0:27:ad:1a.

Sometimes people assign VE the same IP address that HN has. It is not right and leds to the error message you have indicated. Probably this is your case...

HTH,

Vasily.

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by ganesh35 on Thu, 12 Jul 2007 05:47:31 GMT
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Hi Vasily,

Thank you for your reply. I verified the network no body has the IP of same.   I am very sure of it.

I removed the network jacks and tried starting vps, same error.

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by Vasily Tarasov on Thu, 12 Jul 2007 07:21:21 GMT
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I still think, that somebody uses this IP address

Please, do the following command on HN when VE is stopped:
ping 192.168.6.53 I'm pretty sure, that you'll be able to ping this node

Vasily.

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by ganesh35 on Thu, 12 Jul 2007 11:31:45 GMT
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[root@nat ~]# vzctl start 653
Starting VE ...
VE is mounted
Adding IP address(es): 192.168.6.53
arpsend: 192.168.6.53 is detected on another computer : 00:17:e0:27:ad:1a
vps-net_add WARNING: arpsend -c 1 -w 1 -D -e 192.168.6.53 eth0 FAILED
Setting CPU units: 1000
Configure meminfo: 49152
VE start in progress...
[root@nat ~]# ping 192.168.6.53
PING 192.168.6.53 (192.168.6.53) 56(84) bytes of data.
64 bytes from 192.168.6.53: icmp_seq=1 ttl=64 time=0.103 ms
64 bytes from 192.168.6.53: icmp_seq=2 ttl=64 time=0.087 ms

64 bytes from 192.168.6.53: icmp_seq=3 ttl=64 time=0.041 ms
64 bytes from 192.168.6.53: icmp_seq=4 ttl=64 time=0.027 ms
64 bytes from 192.168.6.53: icmp_seq=5 ttl=64 time=0.078 ms
64 bytes from 192.168.6.53: icmp_seq=6 ttl=64 time=0.025 ms
64 bytes from 192.168.6.53: icmp_seq=7 ttl=64 time=0.027 ms

--- 192.168.6.53 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 5997ms
rtt min/avg/max/mdev = 0.025/0.055/0.103/0.031 ms
[root@nat ~]# vzctl stop 653
Stopping VE ...
VE was stopped
VE is unmounted
[root@nat ~]# ping 192.168.6.53
PING 192.168.6.53 (192.168.6.53) 56(84) bytes of data.
From 192.168.6.1 icmp_seq=2 Destination Host Unreachable
From 192.168.6.1 icmp_seq=3 Destination Host Unreachable
From 192.168.6.1 icmp_seq=4 Destination Host Unreachable
From 192.168.6.1 icmp_seq=6 Destination Host Unreachable
From 192.168.6.1 icmp_seq=7 Destination Host Unreachable
From 192.168.6.1 icmp_seq=8 Destination Host Unreachable

--- 192.168.6.53 ping statistics ---
8 packets transmitted, 0 received, +6 errors, 100% packet loss, time 6997ms
, pipe 3
[root@nat ~]#

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by sappsys on Thu, 12 Jul 2007 14:17:18 GMT
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If you have a router on your network, there is a possibility that it has proxy arp turned on - It is responding with it's mac address for networks that it does not consider local on your ethernet lan segment.

http://en.wikipedia.org/wiki/Proxy_ARP

My virtual servers do exactly the same (I have 192.168 addresses locally and a set of public ip addresses that get port forwarded to my ve's)

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by ganesh35 on Thu, 12 Jul 2007 17:38:21 GMT
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How did you fixed the issue?

Please let me know your way of hanlding it.

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by sappsys on Thu, 12 Jul 2007 19:10:36 GMT
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I chose to ignore it. It does not impair the way openVZ works plus I had no control over the router. The message is purely a warning and is there for protection for duplicate IP's. If you have complete control of the IP's on your LAN segment, I wouldn't worry about it - just be aware that you lose that protection and be sure you don't configure 2 VE's with the same IP

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by ganesh35 on Thu, 12 Jul 2007 22:59:28 GMT
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Due to this error, I dont have internet access to my vps.
Some body please suggest me.

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by Vasily Tarasov on Fri, 13 Jul 2007 08:17:28 GMT
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Please, try to do the following:

1) stop the VE in question
2) arping -I eth0 192.168.6.53
3) arping -I eth1 192.168.6.53

And post the output here.

Thanks!

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by sappsys on Fri, 13 Jul 2007 08:44:16 GMT
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Do you have the correct NAT and forwarding options set ?

I use :-

-A POSTROUTING -s 192.168.1.0/255.255.255.0 -o eth0 -j SNAT --to-source <public IP>

If nothing else on your network has that IP (demonstrated by your ping) then it's a nat/routing issue that is preventing your ve's from accessing the internet.

Also, I went to the trouble of looking the MAC address up

MAC Address
  Prefix   Vendor
  0017E0   Cisco Systems

It looks like your cisco router is doing as I suggested and proxy arping.

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by rickb on Fri, 13 Jul 2007 08:45:14 GMT
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I have the same problem on one of my networks, where I do not admin the router. Same situation as sappsys.

Is 00:17:e0:27:ad:1a the mac of your router? If so, I would conclusively its the same issue. If 00:17:e0:27:ad:1a is not your router, check that host and see waht IPs it has assigned to itself.

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by ganesh35 on Fri, 13 Jul 2007 11:18:53 GMT
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```
[root@nat ~]# vzctl stop 653
Stopping VE ...
VE was stopped
VE is unmounted
[root@nat ~]# arping -I eth0 192.168.6.53
ARPING 192.168.6.53 from 59.162.229.214 eth0
Unicast reply from 192.168.6.53 [00:17:E0:27:AD:1A]  29.720ms
Unicast reply from 192.168.6.53 [00:17:E0:27:AD:1A]  27.646ms
Unicast reply from 192.168.6.53 [00:17:E0:27:AD:1A]  27.861ms
Unicast reply from 192.168.6.53 [00:17:E0:27:AD:1A]  27.587ms
Unicast reply from 192.168.6.53 [00:17:E0:27:AD:1A]  27.771ms
Unicast reply from 192.168.6.53 [00:17:E0:27:AD:1A]  27.753ms
Sent 6 probes (1 broadcast(s))
Received 6 response(s)
[root@nat ~]# arping -I eth1 192.168.6.53
```

ARPING 192.168.6.53 from 192.168.1.3 eth1

Sent 313 probes (313 broadcast(s))
Received 0 response(s)
[root@nat ~]#

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by sappsys on Fri, 13 Jul 2007 11:24:14 GMT
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For some reason my last reply didn't follow the thread down...
Just incase it was missed.

Do you have the correct NAT and forwarding options set ?

I use :-
-A POSTROUTING -s 192.168.1.0/255.255.255.0 -o eth0 -j SNAT --to-source <public IP>

If nothing else on your network has that IP (demonstrated by your ping) then it's a nat/routing
issue that is preventing your ve's from accessing the internet.

Also, I went to the trouble of looking the MAC address up

MAC Address
Prefix Vendor
0017E0 Cisco Systems

It looks like your cisco router is doing as I suggested and proxy arping.

Also from your arp tests, it shows the arp responses are comming from your public side (The
cisco Router).

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by ganesh35 on Fri, 13 Jul 2007 11:25:44 GMT
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[root@nat ~]# iptables -A POSTROUTING -s 192.168.1.0/255.255.255.0 -o eth0 -j SNAT
--to-source 59.162.229.214
iptables: No chain/target/match by that name

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by sappsys on Fri, 13 Jul 2007 11:31:17 GMT
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iptables -t nat A POSTROUTING -s 192.168.6.0/255.255.255.0 -o eth0 -j SNAT --to-source 59.162.229.214

You missed the -t nat and your subnet is 192.168.6.0/24 mine was 192.168.1.0/24

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by ganesh35 on Fri, 13 Jul 2007 12:37:16 GMT
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[root@nat ~]# iptables -t nat -A POSTROUTING -s 192.168.6.0/255.255.255.0 -o eth0 -j SNAT --to-source 59.162.229.214
[root@nat ~]# vzctl enter 653
entered into VE 653
[root@nat /]# ping google.com
ping: unknown host google.com
[root@nat /]# exit
logout

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by sappsys on Fri, 13 Jul 2007 12:44:30 GMT
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You should always try pinging an ip address first...
do you have resolv.conf set up in the VE ?

ping 66.102.9.99

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by ganesh35 on Fri, 13 Jul 2007 12:52:58 GMT
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Hi sappsys,

Thank you for your precious time.

[root@nat ~]# ping 66.102.9.99
PING 66.102.9.99 (66.102.9.99) 56(84) bytes of data.
64 bytes from 66.102.9.99: icmp_seq=1 ttl=242 time=485 ms
64 bytes from 66.102.9.99: icmp_seq=2 ttl=242 time=489 ms
64 bytes from 66.102.9.99: icmp_seq=3 ttl=242 time=493 ms

64 bytes from 66.102.9.99: icmp_seq=4 ttl=242 time=478 ms

--- 66.102.9.99 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 2999ms
rtt min/avg/max/mdev = 478.418/486.701/493.942/5.764 ms
[root@nat ~]# vzctl enter 653
entered into VE 653
[root@ns /]# cat /etc/resolv.conf
nameserver 202.54.29.5
[root@ns /]# ping 66.102.9.99
PING 66.102.9.99 (66.102.9.99) 56(84) bytes of data.

--- 66.102.9.99 ping statistics ---
38 packets transmitted, 0 received, 100% packet loss, time 36989ms

[root@ns /]#

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by sappsys on Fri, 13 Jul 2007 13:11:23 GMT
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In the host node

[root@OpenVZ init.d]# sysctl net.ipv4.ip_forward
net.ipv4.ip_forward = 1

check forwarding is set to 1

if it isn't...

sysctl -w net.ipv4.ip_forward=1

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by ganesh35 on Fri, 13 Jul 2007 13:22:09 GMT
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[root@nat ~]# sysctl net.ipv4.ip_forward
net.ipv4.ip_forward = 0
[root@nat ~]#
[root@nat ~]# sysctl -w net.ipv4.ip_forward=1
net.ipv4.ip_forward = 1
[root@nat ~]# vzctl enter 653
entered into VE 653

[root@ns /]# ping google.com
PING google.com (72.14.207.99) 56(84) bytes of data.
64 bytes from eh-in-f99.google.com (72.14.207.99): icmp_seq=0 ttl=245 time=415 ms
64 bytes from eh-in-f99.google.com (72.14.207.99): icmp_seq=1 ttl=245 time=414 ms

--- google.com ping statistics ---
3 packets transmitted, 2 received, 33% packet loss, time 2001ms
rtt min/avg/max/mdev = 414.480/415.091/415.702/0.611 ms, pipe 2
[root@ns /]# exit
logout

exited from VE 653
[root@nat ~]# vzctl restart 653
Restarting VE
Stopping VE ...
VE was stopped
VE is unmounted
Starting VE ...
VE is mounted
Adding IP address(es): 192.168.6.53
arpsend: 192.168.6.53 is detected on another computer : 00:17:e0:27:ad:1a
vps-net_add WARNING: arpsend -c 1 -w 1 -D -e 192.168.6.53 eth0 FAILED
Setting CPU units: 1000
Configure meminfo: 49152
Set hostname: ns
File resolv.conf was modified
VE start in progress...
[root@nat ~]#

Thats great of you.
I could browse from the vps, I will treat ip conflict as a minor warning.

Thank you

Subject: Re: arpsend: x.x.x.x is detected on another computer
Posted by sappsys on Fri, 13 Jul 2007 13:25:26 GMT
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Fantastic

Glad to help