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Subject: \*SOLVED\* arpsend: x.x.x.x is detected on another computer

Posted by [hvdkamer](#) on Fri, 07 Jul 2006 09:46:35 GMT

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There are a few similar questions in this forum, but none has an usable answer. I'm probably doing something very stupid, but what

I've one public IP-adres, so I figured to use a private serie for all my guest nodes. I tried with and without and eth0:1 with IP-adress 192.168.13.1 and there is no difference.

```
strato:~# vzctl set 1313 --ipadd 192.168.13.2 --save
strato:~# vzctl start 1313
Starting VPS ...
VPS is mounted
Adding IP address(es): 192.168.13.2
arpsend: 192.168.13.2 is detected on another computer : 00:00:5e:00:01:02
vps-net_add WARNING: arpsend -c 1 -w 1 -D -e 192.168.13.2 eth0 FAILED
Setting CPU units: 1000
VPS start in progress...
```

In another thread someone is suggesting that IP-address is used elsewhere on the network, but that is not the case. If I do an /etc/init.d/vz stop and then a ping there is no reply. If VZ is started all private IP-adresses give an reply, probably this is the function of the vznetdev module?

After entering the guestnode 1313 nothing has be done, so the above warning is serious? But I've no idea how to solve it. Any suggestions would be appreciated...

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Subject: Re: arpsend: x.x.x.x is detected on another computer

Posted by [dev](#) on Sun, 09 Jul 2006 11:34:08 GMT

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you can try to find whom belongs this MAC address 00:00:5e:00:01:02.  
This MAC reports that it uses IP address 192.168.13.2.

Most often error which is done is that VPS IP address is used in host system, because people believe they should assign it to eth0:1 or something. IP address should not be in use when assigned to VPS.

Check output of the following command in the host:

```
# ifconfig
# ip a l
# ip r l
```

---

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Subject: Re: arpsend: x.x.x.x is detected on another computer

Posted by [aistis](#) on Mon, 10 Jul 2006 21:45:57 GMT

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In addition - it is quite frequent that switches are configured in "arp guarding"(?) mode so they report that they own the IP. That's done for security(?) reasons. So it is better that you ask your network administrator (or HSP) on that to be 100% sure.

P.S. Sorry for lame description - not the biggest networking guru

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Subject: Re: arpsend: x.x.x.x is detected on another computer

Posted by [hvdkamer](#) on Tue, 11 Jul 2006 09:03:33 GMT

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aistis wrote on Mon, 10 July 2006 23:45"arp guarding"(?) mode

I don't know if Strato is doing this. However as said, it only happens when OpenVZ is started. If it is indeed an feature of an upstream switch, it should also raise the problem without OpenVZ. Right?

```
strato:~# iptables -t nat -F
```

```
strato:~# iptables -F
```

```
strato:~# iptables -vxnL
```

```
Chain INPUT (policy ACCEPT 33 packets, 2988 bytes)
```

pkts	bytes	target	prot	opt	in	out	source	destination
------	-------	--------	------	-----	----	-----	--------	-------------

```
Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)
```

pkts	bytes	target	prot	opt	in	out	source	destination
------	-------	--------	------	-----	----	-----	--------	-------------

```
Chain OUTPUT (policy ACCEPT 16 packets, 1600 bytes)
```

pkts	bytes	target	prot	opt	in	out	source	destination
------	-------	--------	------	-----	----	-----	--------	-------------

```
strato:~# /etc/init.d/vz stop
```

```
Shutting down VPS 1313
```

```
Stopping OpenVZ: ..done
```

```
strato:~# lsmod | grep vz
```

```
vzquota          40800  0 [permanent]
```

```
vzdev            2624  1 vzquota
```

```
strato:~# ping -c4 192.168.13.2
```

```
PING 192.168.13.2 (192.168.13.2) 56(84) bytes of data.
```

```
--- 192.168.13.2 ping statistics ---
```

```
4 packets transmitted, 0 received, 100% packet loss, time 2999ms
```

```
strato:~# /etc/init.d/vz start
```

```
Starting OpenVZ: ..done
```

```
Bringing up interface venet0: ..done
```

```
Configuring interface venet0: ..done
strato:~# lsmod | grep vz
vznetdev          17952  1
vzmon             45020  1 vznetdev
vzdquota          40800  0 [permanent]
vzdev             2624   3 vznetdev,vzmon,vzdquota
strato:~# ping -c4 192.168.13.2
PING 192.168.13.2 (192.168.13.2) 56(84) bytes of data.
From 85.214.0.133 icmp_seq=2 Destination Net Unreachable

--- 192.168.13.2 ping statistics ---
4 packets transmitted, 0 received, +1 errors, 100% packet loss, time 2999ms

strato:~# vzctl start 1313
Starting VPS ...
VPS is mounted
Adding IP address(es): 192.168.13.2
arp send: 192.168.13.2 is detected on another computer : 00:00:5e:00:01:02
vps-net_add WARNING: arp send -c 1 -w 1 -D -e 192.168.13.2 eth0 FAILED
Setting CPU units: 1000
VPS start in progress...
strato:~# ping -c4 192.168.13.2
PING 192.168.13.2 (192.168.13.2) 56(84) bytes of data.
64 bytes from 192.168.13.2: icmp_seq=1 ttl=64 time=0.086 ms
64 bytes from 192.168.13.2: icmp_seq=2 ttl=64 time=0.014 ms
64 bytes from 192.168.13.2: icmp_seq=3 ttl=64 time=0.012 ms
64 bytes from 192.168.13.2: icmp_seq=4 ttl=64 time=0.013 ms

--- 192.168.13.2 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 2999ms
rtt min/avg/max/mdev = 0.012/0.031/0.086/0.031 ms
```

There is a slight difference with my start of this topic. The ping with only vz started doesn't work anymore. Probably because after much experimenting I now have networking in the VE nodes. But as you can see the arp send is still failing. At first I thought that that was the cause of my problems. Now I think that this message is complete bogus. It would be nice if it can be resolved however, because now I wasted a day before I decided that it probably doesn't mean anything...

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Subject: Re: arp send: x.x.x.x is detected on another computer  
Posted by [hvdkamer](#) on Tue, 11 Jul 2006 09:19:45 GMT  
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dev wrote on Sun, 09 July 2006 13:34 Check output of the following command in the host:  
# ifconfig  
# ip a l

```
# ip r l
```

I have experimented with IP-address 192.168.13.1 on eth0:1 but that didn't resolve my networking problems inside the VE. As said above, this MAC address can only come from OpenVZ itself. But may be you see something different in this output:

```
strato:~# /etc/init.d/vz stop
Shutting down VPS 1313
Stopping OpenVZ: ..done
strato:~# ifconfig
eth0    Link encap:Ethernet  HWaddr 00:30:48:58:09:F0
        inet addr:85.214.61.55  Bcast:85.214.61.55  Mask:255.255.255.255
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:96934 errors:0 dropped:0 overruns:0 frame:0
        TX packets:11622 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:30646960 (29.2 MiB)  TX bytes:3059910 (2.9 MiB)
        Interrupt:24

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)

strato:~# ip a l
2: lo: <LOOPBACK,UP> mtu 16436 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
4: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:30:48:58:09:f0 brd ff:ff:ff:ff:ff:ff
    inet 85.214.61.55/32 brd 85.214.61.55 scope global eth0
6: eth1: <BROADCAST,MULTICAST> mtu 1500 qdisc noop qlen 1000
    link/ether 00:30:48:58:09:f1 brd ff:ff:ff:ff:ff:ff
strato:~# ip r l
85.214.48.1 dev eth0  scope link
default via 85.214.48.1 dev eth0
strato:~# /etc/init.d/vz start
Starting OpenVZ: ..done
Bringing up interface venet0: ..done
Configuring interface venet0: ..done
strato:~# ifconfig
eth0    Link encap:Ethernet  HWaddr 00:30:48:58:09:F0
        inet addr:85.214.61.55  Bcast:85.214.61.55  Mask:255.255.255.255
```

UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1  
RX packets:97042 errors:0 dropped:0 overruns:0 frame:0  
TX packets:11676 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:1000  
RX bytes:30660432 (29.2 MiB) TX bytes:3068042 (2.9 MiB)  
Interrupt:24

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: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)

strato:~# ip a l  
2: lo: <LOOPBACK,UP> mtu 16436 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  
4: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo\_fast qlen 1000  
link/ether 00:30:48:58:09:f0 brd ff:ff:ff:ff:ff:ff  
inet 85.214.61.55/32 brd 85.214.61.55 scope global eth0  
6: eth1: <BROADCAST,MULTICAST> mtu 1500 qdisc noop qlen 1000  
link/ether 00:30:48:58:09:f1 brd ff:ff:ff:ff:ff:ff  
5: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue  
link/void

strato:~# ip r l  
85.214.48.1 dev eth0 scope link  
default via 85.214.48.1 dev eth0  
strato:~# vzctl start 1313  
Starting VPS ...  
VPS is mounted  
Adding IP address(es): 192.168.13.2  
arp send: 192.168.13.2 is detected on another computer : 00:00:5e:00:01:02  
vps-net\_add WARNING: arp send -c 1 -w 1 -D -e 192.168.13.2 eth0 FAILED  
Setting CPU units: 1000  
VPS start in progress...  
strato:~# ifconfig  
eth0 Link encap:Ethernet HWaddr 00:30:48:58:09:F0  
inet addr:85.214.61.55 Bcast:85.214.61.55 Mask:255.255.255.255  
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1

```
RX packets:97115 errors:0 dropped:0 overruns:0 frame:0
TX packets:11716 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:30671056 (29.2 MiB) TX bytes:3075326 (2.9 MiB)
Interrupt:24
```

```
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: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)
```

```
strato:~# ip a l
2: lo: <LOOPBACK,UP> mtu 16436 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
4: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:30:48:58:09:f0 brd ff:ff:ff:ff:ff:ff
    inet 85.214.61.55/32 brd 85.214.61.55 scope global eth0
6: eth1: <BROADCAST,MULTICAST> mtu 1500 qdisc noop qlen 1000
    link/ether 00:30:48:58:09:f1 brd ff:ff:ff:ff:ff:ff
5: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
    link/void
strato:~# ip r l
192.168.13.2 dev venet0 scope link src 85.214.61.55
85.214.48.1 dev eth0 scope link
default via 85.214.48.1 dev eth0
```

See also my ping answers in the previous post. An Google on the MAC address gives more hits than you would believe. And almost always in combination with OpenVZ. So I think it is somewhere in there . As said, the FAILED arpsend is probably bogus. I now have networking, after rebooting the computer. Setting the following in Debian /etc/modules.conf doesn't work:

```
options ip_conntrack ip_conntrack_enable_ve0=1
```

I now have the following first line in my firewall/iptables script:

modprobe ip\_conntrack ip\_conntrack\_enable\_ve0=1

That only works if the module wasn't loaded before without this option! rmmod doesn't help, you NEED to reboot.

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Subject: Re: arpsend: x.x.x.x is detected on another computer

Posted by [aistis](#) on Tue, 11 Jul 2006 10:22:18 GMT

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hvdkamer wrote on Tue, 11 July 2006 12:03aistis wrote on Mon, 10 July 2006 23:45"arp guarding"(?) mode

I don't know if Strato is doing this. However as said, it only happens when OpenVZ is started. If it is indeed an feature of an upstream switch, it should also raise the problem without OpenVZ. Right?

I'm almost 100% sure they are doing it. And like i mentioned in the previous post - it is best to check this with their support. Fast and painless.

Regards,

---

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Subject: Re: arpsend: x.x.x.x is detected on another computer

Posted by [hvdkamer](#) on Tue, 11 Jul 2006 15:36:20 GMT

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aistis wrote on Tue, 11 July 2006 12:22I'm almost 100% sure they are doing it.

Sometimes I'm so stupid . It didn't occur to me that it is possible for Strato to make a server which does reply to ARP requests, but doesn't reply to ping requests.

I've booted to another Debian partition on the same machine which doesn't have any OpenVZ stuff on it. With a tcpdump I see the ARP reply and that the ping requests are going to this MAC address. But no answers of course. I hate it when they make networks this complex

Ok, now going through the scripts to see if I can exclude eth0 in the arpsend test that OpenVZ is using. So that I can rely on the arpsend test in the future...

Thanks for the help.

---

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Subject: Re: arpsend: x.x.x.x is detected on another computer

Posted by [dev](#) on Tue, 11 Jul 2006 15:43:50 GMT

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Oh, I see. BTW, better be carefull and ask your provider for a range of private IP addresses which you can safely use. Otherwise in case of collision and poor provider network security they can cancel your contract deciding that you did harm intentionally.

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Subject: Re: arpsend: x.x.x.x is detected on another computer

Posted by [Raredemon](#) on Thu, 20 Jul 2006 15:56:25 GMT

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hm.. i'm also have this problem with arpsend.

Short description:

Host server:

hp01 ~ # uname -ra

Linux hp01 2.6.16-026test015 #1 SMP Thu Jul 20 19:10:00 TJT 2006 i686 Intel(R) Xeon(TM)

CPU 3.00GHz GNU/Linux

with two fastethernet -

eth0 192.168.0.250/24

eth1 195.x.x.8/28

3 testing openvz system (template gentoo) - 192.168.1.[1-4]/24

Quote:

hp01 ~ # vzctl --verbose restart 814

Restarting VPS

Stopping VPS ...

VPS was stopped

Running: /usr/lib/vzctl/scripts/vps-net\_del

Running: /etc/vz/814.umount

Running: /usr/sbin/vzquota stat 814 -f

Running: /usr/sbin/vzquota off 814

VPS is unmounted

Running: /usr/lib/vzctl/scripts/vps-stop

Starting VPS ...

Running: /usr/sbin/vzquota show 814

Running: /usr/sbin/vzquota on 814 -r 0 -b 1048676 -B 1153534 -i 200100 -l 220100 -e 0 -n 0 -s 0

Mounting root: /vz/root/814 /vz/private/814

Running: /etc/vz/814.mount

VPS is mounted

Adding IP address(es): 192.168.1.4



Running: /usr/lib/vzctl/scripts/vps-net\_add  
arp send: 192.168.1.4 is detected on another computer : 00:0e:38:46:a8:c4  
vps-net\_add WARNING: arp send -c 1 -w 1 -D -e 192.168.1.4 eth1 FAILED  
Running VPS script: /etc/vz/dists/scripts/gentoo-add\_ip.sh  
Setting CPU units: 1000  
Set hostname: test1  
Running VPS script: /etc/vz/dists/scripts/gentoo-set\_hostname.sh  
Running VPS script: /etc/vz/dists/scripts/set\_dns.sh  
File resolv.conf was modified  
Running: /usr/sbin/vzquota stat 814 -f  
Running: vzquota setlimit 814 -b 1048576 -B 1153434 -i 200000 -l 220000 -e 0 -n 0  
VPS start in progress...

i don't have any firewall installed and i can't resolve this.

2 Moderators

May be you transfer this post to russian zone of forum, because my english is very ugly

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Subject: Re: arp send: x.x.x.x is detected on another computer

Posted by [hvdkamer](#) on Tue, 25 Jul 2006 08:21:45 GMT

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Currently I just ignore this warning . I now know that there is a server on the Strato network who is doing this. But afterwards my VEx's work perfectly, so this check if the IP-address is in use is in my case not returning an useful answer. I could remove the eth0 from the NETDEVICES in the controls script I suppose.

The only problem with this warning is that it got me confused for two days because of another problem. And that one was the cause of my VEx's not working. Because the only warning I got was the one about arp send, it took me quite some time...

So the real question to you is this. If you ignore this warning and go into your newly started VEx. Does the network work? If not, do you use the 2.6.8 kernel?

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