
Subject: Re: ARP queris being ignored
Posted by [chris](#) on Sat, 26 Apr 2008 15:08:10 GMT
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Hi Christian,

I didn't see your post on openvz-users (I only got the personally addressed copy). I'll address this to openvz-users. Thanks for your reply and ideas also.

```
> Try: arp -vn
>
> It should show a line with your VE IP address, like this:
>
> 10.10.150.244 * <from_interface> MP eth0
>
> If you don't have such a line, the host node will not respond to ARP
> queries (except if you turn on proxy_arp, but I'd advise against
> this).
```

Unfortunately things still seem wrong. To illustrate, here's what I get for vzlist:

```
[root@sonata ~]# vzlist
  VEID  NPROC STATUS IP_ADDR  HOSTNAME
   10   68 running 192.168.0.10 trixbox.cgb1911.mine.nu
  105  124 running 192.168.0.105 zimbra-ose.cgb1911.mine.nu
  106   24 running 192.168.0.106 otrs.cgb1911.mine.nu
  107   26 running 192.168.0.107 ipplan.cgb1911.mine.nu
  108    6 running 192.168.0.108 freeside.cgb1911.mine.nu
  109    8 running 192.168.0.109 enomalism.cgb1911.mine.nu
  110   65 running 192.168.0.110 virtualmin.cgb1911.mine.nu
  111   77 running 192.168.0.111 ispconfig.cgb1911.mine.nu
  112   33 running 192.168.0.112 splunk.cgb1911.mine.nu
  115   77 running 192.168.0.115 zimbra4.cgb1911.mine.nu
  116   28 running 192.168.0.116 cacti-test.cgb1911.mine.nu
100001    1 running -      -
```

Now, you'd expect exactly that same number of entries in the arp table, one for each IP. Unfortunately, only entries for 105 and 10 exist (they are ones I've had to restart to 'make work').

```
[root@sonata ~]# arp -vn
Address          HWtype HWaddress      Flags Mask      Iface
192.168.0.221    ether  00:11:93:98:67:45 C          eth0
192.168.0.160    ether  00:07:E9:5F:BA:60 C          eth0
192.168.0.253    ether  00:1B:2B:2C:C3:4D C          eth0
```

```
192.168.0.43      ether 00:19:D1:69:FD:2E C      eth0
192.168.0.105    *      *      MP      eth0
192.168.0.10     *      *      MP      eth0
Entries: 6   Skipped: 0   Found: 6
```

> The VE start script sets this up (so a restart will fix it), but
> I've also seen cases where these entries get lost after some time.
> Haven't been able to produce a test case, though.

Yeah, I hadn't determined what triggers the problem as yet. Some further digging has revealed that a script:

```
/usr/share/vzctl/scripts/vpsnetclean
```

runs every 5 minutes in cron. It has all the characteristics of a program that would be breaking arp entries for my running VE's. I just need to work out if and then why it determines a VE is 'stopped' and calls clear_ve_net to tidy up IP/ARP entries. Will reply if I have anything more.

> Any chance that you are using a firewall on the host node which
> fiddles with the ARP stuff? (shorewall?)

Nope, not using anything like that. Just standard Centos 5 base system with OVZ kernel and management tools.

Regards,

Chris Bennett (cgb)
