Subject: ARP queris being ignored
Posted by chris on Wed, 23 Apr 2008 06:07:28 GMT
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Hi All,

I have been using OpenVZ for a few months now, and I've been having a problem with VE's running for longer then a few days - the hardware node ignores ARP queries for VE's that are running on it. The VE has IP 192.168.0.105.

When things are working, I see a line from 'arp -a' for the 192.168.0.105 host:

```
[root@sonata ~]# arp -a
? (192.168.0.160) at 00:07:E9:5F:BA:60 [ether] on eth0
? (192.168.0.253) at 00:1B:2B:2C:C3:4D [ether] on eth0
? (192.168.0.105) at * PERM PUP on eth0
```

When things stop working, the 192.168.0.105 disappears from the output of 'arp -a'. An entry for 192.168.0.105 stops appearing in /proc/net/arp as well.

A tcpdump show the arp query arriving on the hardware node.

```
[root@sonata ~]# tcpdump -nni any arp
tcpdump: WARNING: Promiscuous mode not supported on the "any" device
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
listening on any, link-type LINUX_SLL (Linux cooked), capture size 96 bytes
15:30:19.964806 arp who-has 192.168.0.105 tell 192.168.0.253
15:30:21.973385 arp who-has 192.168.0.105 tell 192.168.0.253
15:30:23.973453 arp who-has 192.168.0.105 tell 192.168.0.253
15:30:25.976838 arp who-has 192.168.0.105 tell 192.168.0.253
```

Further info:

- VE is running with ip 192.168.0.105

```
[root@sonata ~]# vzlist |grep 192.168.0.105
      105        125 running 192.168.0.105   zimbra-ose.cgb1911.mine.nu
```

- Centos 5 with a OpenVZ kernel from the yum repo

```
[root@sonata ~]# cat /etc/redhat-release
CentOS release 5 (Final)
[root@sonata ~]# uname -a
Linux sonata.cgb1911.mine.nu 2.6.18-53.1.13.el5.028stab053.10 #1 SMP Tue Apr 1 14:58:47
MSD 2008 i686 i686 i386 GNU/Linux
```

Anyone have any idea what is going on? Is there something further I can do to debug this?

Thanks in advance for any responses,