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Subject: VE IP address stops working after several hours  
Posted by [fatbrother](#) on Wed, 17 Sep 2008 17:55:31 GMT  
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I have Debian Etch system with FZA OpenVZ kernel:

```
root@olympic:~# uname -a
```

```
Linux olympic 2.6.18-fza-028stab053.5-amd64 #1 SMP Sat Mar 1 19:50:43 UTC 2008 x86_64 GNU/Linux
```

```
root@olympic:~# vzctl --version
```

```
vzctl version 3.0.22-1dso1
```

HN connected to two VLANs:

```
eth0    Link encap:Ethernet HWaddr xxx
```

```
        inet addr:10.4.0.97 Bcast:10.4.0.127 Mask:255.255.255.224
```

```
eth0.425 Link encap:Ethernet HWaddr xxx
```

```
        inet addr:real_ip1 Bcast:real_ip_network Mask:255.255.255.240
```

Default router is eth0, source routing is set for real\_ip\_network to eth0.425.

VE4 has two IP addresses added by vzctl set 4 --ipadd. 10.4.0.104 and real\_ip2

After I boot VE4 both IP addresses are accessible, so the routing and ARP proxy seem to be correct. But when VE4 runs for several hours, real\_ip2 stops working. VE4 is still accessible via 10.4.0.104 and real\_ip2 is pingable from HN, but not from outside.

When real\_ip2 fails, record

```
real_ip2      *      <from_interface>  MP      eth0.425
```

is present in ARP table, and HN real\_ip1 is still accessible, but tcpdump shows that HN stops answering ARP requests for real\_ip2.

VE4 restart or vzctl set 4 --ipdel real\_ip2; vzctl set 4 --ipadd real\_ip2; clear the condition: real\_ip2 starts responding again, but after several hours it stops responding again, etc.

It runs for at least 3 hours, but no longer than 5 hours. Sorry, cannot get more precise estimate yet, and I'm not even sure that time is constant.

I found no specific external events and no log records that could be related to this. It just runs and then stops running for no visible reason.

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