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Subject: ip address conflicts on physical network while using veth device

Posted by [alexu](#) on Sat, 08 Mar 2008 21:45:29 GMT

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I've installed veth networking on OpenVZ HW that runs Debian Etch by following appropriate Wiki pages.

To enable proxy arp on eth0 interface on HW, I've changed the default value in /etc/sysctl.conf to

```
net.ipv4.conf.default.proxy_arp = 1
```

HW and a few VEs appeared to work fine after that. Happy days... but...

later it turned out that OpenVZ HW's eth0 device had taken over IP addresses of two servers on the physical network that were using DHCP for configuration. Both of them (coincidence?) were AppleServers.

MAC addresses of AppleServers started with 00:17:f2

MAC addresses of vethXXX devices that were generated by OpenVZ scripts started with 00:18:51

Both HW and VE networking configuration is static. No packet filtering of any kind is present.

Any ideas as to how to approach this issue would be really appreciated!

P.S.: Oh, and happy international women's day to girlfriends, wives, daughters, moms and grandmoms of OpenVZ devs

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Subject: Re: ip address conflicts on physical network while using veth device

Posted by [alexu](#) on Mon, 10 Mar 2008 23:25:36 GMT

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problem solved. it was caused by a second ethernet interface in the HW (eth1), which, though not physically connected to anything, had an ip address in the same network as eth0. and therefore, proxy arp on eth0 claimed the ethernet address for the whole network eth1 (and eth0) belonged to. problem had nothing to do with openvz.

now system has proper bonding setup for eth0 and eth1 (running in active-backup mode) and appears to run normally. hopefully this will be useful to someone else

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