Subject: VE in separate subnet (other than HN)
Posted by kuckus on Sat, 13 Sep 2008 15:49:57 GMT
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Hi all,

I am on a Debian 4.0 system and got OpenVZ installed without complications (I've done it before). Now, there is one VE that I have created successfully, however, this VE so far is not able to communicate with the world outside of my HN.

What's working fine is pinging the VE from the HN as well as the HN from inside the VE, or doing things like SSH'ing from the HN to the VE and back to the HN.
Also, if I set the VE's IP as a second IP for the HN, the HN can be reached through this same IP over the Internet.

The setup I'd like to get to work is as follows:

HN's IP is 81.x.y.z,
HN's default gateway is 81.x.y.1.

The IP that I have available to use for the VE is 85.a.b.c/32 (broadcast address 85.a.b.255).

After assigning this IP to the VE, this is the routing table on the HN:

```
h50522.serverko *               255.255.255.255 UH    0      0        0 eth0
81.x.y.1    h50522.serverko 255.255.255.255 UGH   0      0        0 eth0
85.a.b.c  *             255.255.255.255 UH    0      0        0 venet0
default         81.x.y.1    0.0.0.0         UG    0      0        0 eth0
```

What could I be missing here to get the VE connected to the rest of the network/Internet?

If you need any more information, please let me know - any help would be greatly appreciated.

Thanks,

kuckus

/*edit:

Some more details:

- `ip route` in VE
192.0.2.1 dev venet0 scope link
default via 192.0.2.1 dev venet0

- `ip -V` in VE
ip utility, iproute2-ss071016

- Kernel version running on HN: 2.6.18-12-fza-686

- `sysctl -p` on HN
net.ipv4.conf.default.forwarding = 1
net.ipv4.conf.default.proxy_arp = 0
net.ipv4.ip_forward = 1
net.ipv4.conf.all.rp_filter = 1
kernel.sysrq = 1
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0

*/