
Subject: Re: VENET, VETH + SNAT

Posted by [chinaman](#) on Fri, 20 Oct 2006 07:07:47 GMT

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Ok, I took out of the bridge the eth1 interface for testing purpose. But now I got a bit confused with routing and SNAT. Here is what I did.

```

                +-----+
eth1 ----- SNAT ---- veth104.0 ----| VPS 104 |
(222.140.33.246)                +-----+
                                (192.168.10.104)
```

I tried to setup SNAT as explained in Howto:

```
# iptables -t nat -A POSTROUTING -s 192.168.10.0/24 -o eth1 -j SNAT --to 222.140.33.246
```

I setup a route from HW to VPS 104

```
# ip r a 192.168.10.104 dev veth104.0
```

and inside VPS 104

```
ip r a default via 0.0.0.0 dev eth0
```

In this point I am not sure what should be the gateway in HW for VPS?

If I ping from VPS to HW external IP i get

```
From 192.168.10.104 icmp_seq=48 Destination Host Unreachable
```

Tcpdump inside HW shows

```
# tcpdump -i veth104.0
```

```
tcpdump: WARNING: veth104.0: no IPv4 address assigned
```

```
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
```

```
listening on veth104.0, link-type EN10MB (Ethernet), capture size 96 bytes
```

```
14:50:31.240156 arp who-has 222.140.33.246 tell 192.168.10.104
```

What am I missing? Do I need to assign an IP to veth104.0 in HW?

Do I need to change something else? In Howto I read something about problems with 2.6.8 kernel, and other problems with Debian. Maybe its importants to say that I am running Debian with 2.6.16 kernel.
