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Subject: Re: VENET, VETH + SNAT

Posted by [chinaman](#) on Thu, 19 Oct 2006 08:48:33 GMT

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ip a l

```
2: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
4: sit0: <NOARP> mtu 1480 qdisc noop
    link/sit 0.0.0.0 brd 0.0.0.0
6: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:13:72:67:28:15 brd ff:ff:ff:ff:ff:ff
    inet6 fe80::213:72ff:fe67:2815/64 scope link
        valid_lft forever preferred_lft forever
8: eth1: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:13:72:67:28:16 brd ff:ff:ff:ff:ff:ff
    inet6 fe80::213:72ff:fe67:2816/64 scope link
        valid_lft forever preferred_lft forever
1: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
    link/void
10: vzbr0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue
    link/ether 00:12:34:56:78:9a brd ff:ff:ff:ff:ff:ff
    inet 222.48.222.12/26 scope global vzbr0
    inet6 fe80::212:34ff:fe56:789a/64 scope link
        valid_lft forever preferred_lft forever
7: veth105.0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue
    link/ether 00:12:34:56:78:9a brd ff:ff:ff:ff:ff:ff
    inet6 fe80::212:34ff:fe56:789a/64 scope link
        valid_lft forever preferred_lft forever
9: veth103.0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue
    link/ether 00:ad:36:55:75:9a brd ff:ff:ff:ff:ff:ff
    inet6 fe80::2ad:36ff:fe55:759a/64 scope link
        valid_lft forever preferred_lft forever
13: veth105.1: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue
    link/ether 00:ad:56:55:45:9a brd ff:ff:ff:ff:ff:ff
    inet6 fe80::2ad:56ff:fe55:459a/64 scope link
        valid_lft forever preferred_lft forever
12: vzbr1: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue
    link/ether 00:13:72:67:28:16 brd ff:ff:ff:ff:ff:ff
    inet6 fe80::213:72ff:fe67:2816/64 scope link
        valid_lft forever preferred_lft forever
15: veth104.0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue
    link/ether 00:37:56:55:55:9a brd ff:ff:ff:ff:ff:ff
    inet6 fe80::237:56ff:fe55:559a/64 scope link
        valid_lft forever preferred_lft forever
```

```
21: veth106.0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue
    link/ether 00:1d:34:5c:78:9a brd ff:ff:ff:ff:ff:ff
    inet 192.168.10.5/32 scope global veth106.0
    inet6 fe80::21d:34ff:fe5c:789a/64 scope link
    valid_lft forever preferred_lft forever
```

```
ip r l
255.222.233.213 dev vzbr0 scope link
255.222.233.214 dev vzbr0 scope link
222.48.222.0/26 dev vzbr0 proto kernel scope link src 222.48.222.12
default via 222.48.222.1 dev vzbr0
```

```
iptables -nL
Chain INPUT (policy ACCEPT)
target prot opt source destination
```

```
Chain FORWARD (policy ACCEPT)
target prot opt source destination
```

```
Chain OUTPUT (policy ACCEPT)
target prot opt source destination
```

```
brctl show
bridge name bridge id STP enabled interfaces
vzbr0 8000.00123456789a no eth0
veth103.0
veth105.0
veth105.1
vzbr1 8000.001372672816 no eth1
veth104.0
```

That's the current configuration (IPs are changed). There are 2 physical eth devices in HW. Each is bridged to different veth. each veth device has got it's own public IP inside VE.

What I want is to setup on top of this configuration venet (or veth) devices with SNAT. So some more VEs can share one public IP.

Thomas

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