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Subject: Re: VE connect with physical interface  
Posted by [gamtech](#) on Wed, 14 Nov 2007 18:59:15 GMT  
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```
[root@ve1]# ip a l
1: 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 brd 127.255.255.255 scope host lo
3: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
   link/void
   inet 127.0.0.1/32 scope host venet0
   inet 143.69.77.8/32 brd 143.69.77.8 scope global venet0:0
   inet 10.10.10.5/32 brd 10.10.10.5 scope global venet0:1
   inet 143.69.77.28/32 brd 143.69.77.28 scope global venet0:10
   inet 143.69.77.29/32 brd 143.69.77.29 scope global venet0:11
   inet 143.69.77.30/32 brd 143.69.77.30 scope global venet0:12
   inet 143.69.77.31/32 brd 143.69.77.31 scope global venet0:13
   inet 143.69.77.32/32 brd 143.69.77.32 scope global venet0:14
   inet 143.69.77.33/32 brd 143.69.77.33 scope global venet0:15
   inet 143.69.77.34/32 brd 143.69.77.34 scope global venet0:16
   inet 143.69.77.35/32 brd 143.69.77.35 scope global venet0:17
   inet 143.69.77.36/32 brd 143.69.77.36 scope global venet0:18
   inet 143.69.77.37/32 brd 143.69.77.37 scope global venet0:19
   inet 143.69.77.20/32 brd 143.69.77.20 scope global venet0:2
   inet 143.69.77.38/32 brd 143.69.77.38 scope global venet0:20
   inet 143.69.77.39/32 brd 143.69.77.39 scope global venet0:21
   inet 143.69.77.40/32 brd 143.69.77.40 scope global venet0:22
   inet 143.69.77.41/32 brd 143.69.77.41 scope global venet0:23
   inet 143.69.77.42/32 brd 143.69.77.42 scope global venet0:24
   inet 143.69.77.43/32 brd 143.69.77.43 scope global venet0:25
   inet 143.69.77.44/32 brd 143.69.77.44 scope global venet0:26
   inet 143.69.77.45/32 brd 143.69.77.45 scope global venet0:27
   inet 143.69.77.46/32 brd 143.69.77.46 scope global venet0:28
   inet 143.69.77.47/32 brd 143.69.77.47 scope global venet0:29
   inet 143.69.77.21/32 brd 143.69.77.21 scope global venet0:3
   inet 143.69.77.48/32 brd 143.69.77.48 scope global venet0:30
   inet 143.69.77.49/32 brd 143.69.77.49 scope global venet0:31
   inet 143.69.77.22/32 brd 143.69.77.22 scope global venet0:4
   inet 143.69.77.23/32 brd 143.69.77.23 scope global venet0:5
   inet 143.69.77.24/32 brd 143.69.77.24 scope global venet0:6
   inet 143.69.77.25/32 brd 143.69.77.25 scope global venet0:7
   inet 143.69.77.26/32 brd 143.69.77.26 scope global venet0:8
   inet 143.69.77.27/32 brd 143.69.77.27 scope global venet0:9
```

```
[root@ve2]# ip a l
1: 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 brd 127.255.255.255 scope host lo
```

```
3: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
  link/void
  inet 127.0.0.1/32 scope host venet0
  inet 143.69.77.10/32 brd 143.69.77.10 scope global venet0:0
  inet 143.69.77.12/32 brd 143.69.77.12 scope global venet0:1
  inet 10.10.10.3/32 brd 10.10.10.3 scope global venet0:2
```

```
[root@hn1]# 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 brd 127.255.255.255 scope host lo
4: bond0: <BROADCAST,MULTICAST,MASTER,UP> mtu 1500 qdisc noqueue
  link/ether 00:04:23:d6:7e:70 brd ff:ff:ff:ff:ff:ff
  inet 10.10.10.2/24 brd 10.10.10.255 scope global bond0
6: eth0: <BROADCAST,MULTICAST,SLAVE,UP> mtu 1500 qdisc pfifo_fast master bond0 qlen 1000
  link/ether 00:04:23:d6:7e:70 brd ff:ff:ff:ff:ff:ff
8: eth1: <BROADCAST,MULTICAST,SLAVE,UP> mtu 1500 qdisc pfifo_fast master bond0 qlen 1000
  link/ether 00:04:23:d6:7e:70 brd ff:ff:ff:ff:ff:ff
10: eth2: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
  link/ether 00:04:23:d5:fd:5a brd ff:ff:ff:ff:ff:ff
  inet 143.69.77.6/25 brd 143.69.77.127 scope global eth2
12: eth3: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
  link/ether 00:04:23:d5:fd:5b brd ff:ff:ff:ff:ff:ff
1: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
```

```
[root@hn2]# 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 brd 127.255.255.255 scope host lo
4: bond0: <BROADCAST,MULTICAST,MASTER,UP> mtu 1500 qdisc noqueue
  link/ether 00:04:23:d5:f1:c0 brd ff:ff:ff:ff:ff:ff
  inet 10.10.10.1/24 brd 192.168.63.255 scope global bond0
6: eth0: <BROADCAST,MULTICAST,SLAVE,UP> mtu 1500 qdisc pfifo_fast master bond0 qlen 1000
  link/ether 00:04:23:d5:f1:c0 brd ff:ff:ff:ff:ff:ff
8: eth1: <BROADCAST,MULTICAST,SLAVE,UP> mtu 1500 qdisc pfifo_fast master bond0 qlen 1000
  link/ether 00:04:23:d5:f1:c0 brd ff:ff:ff:ff:ff:ff
10: eth2: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
  link/ether 00:04:23:e1:3f:90 brd ff:ff:ff:ff:ff:ff
  inet 143.69.77.4/25 brd 143.69.77.127 scope global eth2
12: eth3: <BROADCAST,MULTICAST> mtu 1500 qdisc noop qlen 1000
  link/ether 00:04:23:e1:3f:91 brd ff:ff:ff:ff:ff:ff
1: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
  link/void
```

```
[root@hn1]# ip r l
10.10.10.5 dev venet0 scope link src 10.10.10.2
143.69.77.72 dev venet0 scope link src 10.10.10.2
143.69.77.70 dev venet0 scope link src 10.10.10.2
143.69.77.46 dev venet0 scope link src 10.10.10.2
143.69.77.47 dev venet0 scope link src 10.10.10.2
143.69.77.44 dev venet0 scope link src 10.10.10.2
143.69.77.45 dev venet0 scope link src 10.10.10.2
143.69.77.42 dev venet0 scope link src 10.10.10.2
143.69.77.43 dev venet0 scope link src 10.10.10.2
143.69.77.40 dev venet0 scope link src 10.10.10.2
143.69.77.41 dev venet0 scope link src 10.10.10.2
143.69.77.38 dev venet0 scope link src 10.10.10.2
143.69.77.39 dev venet0 scope link src 10.10.10.2
143.69.77.36 dev venet0 scope link src 10.10.10.2
143.69.77.37 dev venet0 scope link src 10.10.10.2
143.69.77.34 dev venet0 scope link src 10.10.10.2
143.69.77.35 dev venet0 scope link src 10.10.10.2
143.69.77.32 dev venet0 scope link src 10.10.10.2
143.69.77.33 dev venet0 scope link src 10.10.10.2
143.69.77.48 dev venet0 scope link src 10.10.10.2
143.69.77.49 dev venet0 scope link src 10.10.10.2
143.69.77.13 dev venet0 scope link src 10.10.10.2
143.69.77.11 dev venet0 scope link src 10.10.10.2
143.69.77.8 dev venet0 scope link src 10.10.10.2
143.69.77.7 dev venet0 scope link src 10.10.10.2
143.69.77.31 dev venet0 scope link src 10.10.10.2
143.69.77.30 dev venet0 scope link src 10.10.10.2
143.69.77.29 dev venet0 scope link src 10.10.10.2
143.69.77.28 dev venet0 scope link src 10.10.10.2
143.69.77.27 dev venet0 scope link src 10.10.10.2
143.69.77.26 dev venet0 scope link src 10.10.10.2
143.69.77.25 dev venet0 scope link src 10.10.10.2
143.69.77.24 dev venet0 scope link src 10.10.10.2
143.69.77.23 dev venet0 scope link src 10.10.10.2
143.69.77.22 dev venet0 scope link src 10.10.10.2
143.69.77.21 dev venet0 scope link src 10.10.10.2
143.69.77.20 dev venet0 scope link src 10.10.10.2
143.69.77.17 dev venet0 scope link src 10.10.10.2
143.69.77.0/25 dev eth2 proto kernel scope link src 143.69.77.6
10.10.10.0/24 dev bond0 proto kernel scope link src 10.10.10.2
169.254.0.0/16 dev eth2 scope link
default via 143.69.77.1 dev eth2
```

```
[root@hn2]# ip r l
10.10.10.3 dev venet0 scope link src 10.10.10.1
143.69.77.15 dev venet0 scope link src 10.10.10.1
143.69.76.130 dev venet0 scope link src 10.10.10.1
```

```
143.69.77.12 dev venet0 scope link src 10.10.10.1
143.69.77.10 dev venet0 scope link src 10.10.10.1
213.21.225.6 dev venet0 scope link src 10.10.10.1
143.69.77.75 dev venet0 scope link src 10.10.10.1
143.69.77.74 dev venet0 scope link src 10.10.10.1
143.69.77.130 dev venet0 scope link src 10.10.10.1
143.69.77.71 dev venet0 scope link src 10.10.10.1
143.69.77.5 dev venet0 scope link src 10.10.10.1
143.69.77.2 dev venet0 scope link src 10.10.10.1
143.69.77.18 dev venet0 scope link src 10.10.10.1
143.69.77.16 dev venet0 scope link src 10.10.10.1
143.69.77.0/25 dev eth2 proto kernel scope link src 143.69.77.4
10.10.10.0/24 dev bond0 proto kernel scope link src 10.10.10.1
169.254.0.0/16 dev eth2 scope link
default via 143.69.77.1 dev eth2
```

```
[root@hn1]# ip rule l
0:    from all lookup local
32766: from all lookup main
32767: from all lookup default
```

```
[root@hn2]# ip rule l
0:    from all lookup local
32766: from all lookup main
32767: from all lookup default
```

```
[root@hn2]# # ip r get 10.10.10.5
10.10.10.5 dev bond0 src 10.10.10.1
  cache mtu 1500 advmss 1460 hoplimit 64
```

```
[root@hn2]# tcpdump -i bond0 -n ip proto \icmp
20:45:11.169652 IP 143.69.77.8 > 10.10.10.3: icmp 64: echo request seq 0
```

```
[root@hn2]# tcpdump -i eth2 -n ip proto \icmp
20:46:10.271206 IP 10.10.10.3 > 143.69.77.8: icmp 64: echo reply seq 0Request from HN1 to
HN2 goes via bond0, but reply via eth2.
```

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