
Subject: Re: VE connect with physical interface
Posted by [khorenko](#) on Thu, 15 Nov 2007 08:19:45 GMT
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Great, thank you for the info.

The situation is following:

VE1 is pinging VE2 (10.10.10.3).

Routing table on a VE1 says that the packet should go through the venet0 interface (as no any other interfaces exists inside a VE1 :)). As in any other Linux node the source IP for such a packet is set as a FIRST IP from the interface where this packet is routed.

In your case the first IP is 143.69.77.8 (which can also be seen in tcpdump on a HN2 on bond0 - the packet source IP is 143.69.77.8).

VE2 receives the packet and sends reply to the 143.69.77.8, and HN2 has a route rule that sends such a packet to the eth2. That's it.

So the problem is: VE1 sets "incorrect" (not that as expected) source IP while pinging VE2 (10.10.10.3). This can be handled by adding a route rule in VE1 like:

```
ip r a 10.10.10.0/24 dev venet0 scope link src 10.10.10.5
```

You can also take a look at <http://kb.swsoft.com/en/3061>

Hope this helps.

--

Konstantin.
