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Subject: \*SOLVED\* HN connected to PRIVATE and PUBLIC networks at once  
Posted by [slavco](#) on Mon, 02 Apr 2007 10:06:35 GMT

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Hi all,

I have the following situation (see attached picture):

HN has two NICs and is connected to public internet and also to private networks (with private ip addresses). I have some VEs that needs to have 2 IPs; one private ip address and one public ip address.

Example: VE acting as DHCP server for both clients on private networks and on public network - at the same time.

My HN /etc/network/interfaces look like this:

```
auto lo
iface lo inet loopback
```

```
auto eth0
iface eth0 inet static
    address 10.1.1.100
    netmask 255.255.255.0
    up route add -net 10.0.0.0 netmask 255.0.0.0 gateway 10.1.1.2
    up route add -net 172.16.0.0 netmask 255.240.0.0 gateway 10.1.1.2
    up route add -net 192.168.0.0 netmask 255.255.0.0 gateway 10.1.1.2
```

```
auto eth1
#iface eth1 inet dhcp
iface eth1 inet static
    address 85.248.15.34
    netmask 255.255.255.240
    gateway 85.248.15.33
```

When I set eg. in VE101 conf. `IP_ADDRESS="85.248.15.35 10.1.1.101"`, packets egressing the VE101 has all the SRCIP 85.248.15.35. So, on public network is everything ok, but not functional on private network (when the remote machine on private network relpies the packet, it is routed back through my NAT box which drops the packets).

When I set `IP_ADDRESS="10.1.1.101 85.248.15.35"` the SRCIP of all egressing packets will be 10.1.1.101, so private segment can communicate ok, but this ip is unroutable on the public network segment.

Is there any solution to this?  
Thanks for help.

Slavco

## File Attachments

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1) [30.3.2007 10-46-52\\_0004.jpg](#), downloaded 601 times

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Subject: Re: HN connected to PRIVATE and PUBLIC networks at once

Posted by [Vasily Tarasov](#) on Mon, 02 Apr 2007 14:37:30 GMT

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In order to use VE as dhcp you should use veth interface, but not venet!

HTH,  
Vasily.

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