
Subject: 1st hop in traceroute from a OpenVZ container shows private interface IP
Posted by [alamar](#) on Mon, 16 May 2011 11:42:01 GMT

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(proxmox 1.6 here. Linux vpsnode01-nk 2.6.32-4-pve #1 SMP Thu Oct 21 09:35:29 CEST 2010 x86_64 GNU/Linux)

From within OpenVZ containers I see the private space (rfc 1918) address of the drbdlink interface as first hop and not of my publicly connected interface (eth0/vmbr0)

From within container a traceroute looks like this:

```
## traceroute -n www.heise.de
traceroute to www.heise.de (193.99.144.85), 30 hops max, 40 byte packets
 1 10.0.23.2 0.033 ms 0.007 ms 0.007 ms
 2 217.x.99.13 2.206 ms 2.243 ms 2.285 ms
```

why is the first hope (the hostnode) displayed with the private address of drbdlink interface?
(I would expect it to be 217.x.50.8 at least that's what I want)

ip addr show

```
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue state UNKNOWN
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
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP qlen 1000
link/ether 00:25:90:1d:30:9e brd ff:ff:ff:ff:ff:ff
inet6 fe80::225:90ff:fe1d:309e/64 scope link
valid_lft forever preferred_lft forever
3: eth3: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN qlen 1000
link/ether 00:1b:21:7b:4e:46 brd ff:ff:ff:ff:ff:ff
4: eth1: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN qlen 1000
link/ether 00:25:90:1d:30:9f brd ff:ff:ff:ff:ff:ff
5: drbdlink: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP
qlen 1000
link/ether 00:1b:21:7b:4e:47 brd ff:ff:ff:ff:ff:ff
inet 10.0.23.2/24 brd 10.0.23.255 scope global drbdlink
inet 10.0.23.12/24 brd 10.0.23.255 scope global secondary drbdlink:0
inet6 fe80::21b:21ff:fe7b:4e47/64 scope link
valid_lft forever preferred_lft forever
6: vmbr0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state
UNKNOWN
link/ether 00:25:90:1d:30:9e brd ff:ff:ff:ff:ff:ff
inet 217.x.50.8/24 brd 217.x.50.255 scope global vmbr0
inet 217.x.50.10/32 brd 217.x.50.138 scope global vmbr0
inet6 fe80::225:90ff:fe1d:309e/64 scope link
valid_lft forever preferred_lft forever
```

7: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,LOWER_UP> mtu 1500 qdisc noqueue
state UNKNOWN
link/void

brctl show:

bridge name bridge id STP enabled interfaces
vbr0 8000.0025901d309e no eth0

ip ro show:

217.x.50.11 dev venet0 scope link
217.x.50.254 dev venet0 scope link
217.x.50.14 dev venet0 scope link
217.x.50.15 dev venet0 scope link
217.x.50.12 dev venet0 scope link
217.x.50.13 dev venet0 scope link
10.0.23.0/24 dev drbdlink proto kernel scope link src 10.0.23.2
217.x.50.0/24 dev vbr0 proto kernel scope link src 217.x.50.8
default via 217.x.50.1 dev vbr0

x is always the same.
