

---

Subject: Problems with multicast between two VEs  
Posted by [fernandomm](#) on Wed, 18 Nov 2009 12:59:34 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hello,

I need to setup multicast between two VEs on different HN. I read other posts on forum where they mention that you have to use bridge ( veth and not venet ).

So, after configuring it, i can only use multicast from a HN to a VE. But i can't use from a VE to HN or from a VE to other VE.

Any ideas of what i can do?

My current configuration:

HN1 - ifconfig:

```
eth0    Link encap:Ethernet  HWaddr 00:14:4f:20:a4:9c
        inet6 addr: fe80::214:4fff:fe20:a49c/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:204459 errors:0 dropped:0 overruns:0 frame:0
        TX packets:135769 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:17659469 (16.8 MiB)  TX bytes:17230927 (16.4 MiB)
```

```
lo      Link encap:Local Loopback
        inet addr:127.0.0.1  Mask:255.0.0.0
        inet6 addr: ::1/128 Scope:Host
        UP LOOPBACK RUNNING  MTU:16436  Metric:1
        RX packets:17461 errors:0 dropped:0 overruns:0 frame:0
        TX packets:17461 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:4918796 (4.6 MiB)  TX bytes:4918796 (4.6 MiB)
```

```
venet0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
        RX packets:52 errors:0 dropped:0 overruns:0 frame:0
        TX packets:43 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:3311 (3.2 KiB)  TX bytes:3390 (3.3 KiB)
```

```
veth101.0 Link encap:Ethernet  HWaddr 00:18:51:0e:30:3a
        inet6 addr: fe80::218:51ff:fe0e:303a/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:474 errors:0 dropped:0 overruns:0 frame:0
        TX packets:5652 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
```

RX bytes:24856 (24.2 KiB) TX bytes:272558 (266.1 KiB)

vmbr0 Link encap:Ethernet HWaddr 00:14:4f:20:a4:9c  
inet addr:192.168.100.11 Bcast:192.168.100.255 Mask:255.255.255.0  
inet6 addr: fe80::214:4fff:fe20:a49c/64 Scope:Link  
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1  
RX packets:199375 errors:0 dropped:0 overruns:0 frame:0  
TX packets:129945 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:14358033 (13.6 MiB) TX bytes:16791230 (16.0 MiB)

HN1 - VE1 configuration:

NETIF="ifname=eth0,mac=00:18:51:77:98:ED,host\_ifname=veth101.0,host\_mac=00:18:51:0E:30:3A"

HN1 - VE1 ifconfig:

```
# ifconfig
eth0 Link encap:Ethernet HWaddr 00:18:51:77:98:ed
      inet addr:192.168.100.101 Bcast:192.168.100.255 Mask:255.255.255.0
      inet6 addr: fe80::218:51ff:fe77:98ed/64 Scope:Link
      UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
      RX packets:6342 errors:0 dropped:0 overruns:0 frame:0
      TX packets:519 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:306409 (299.2 KiB) TX bytes:26596 (25.9 KiB)
```

```
lo Link encap:Local Loopback
    inet addr:127.0.0.1 Mask:255.0.0.0
    inet6 addr: ::1/128 Scope:Host
    UP LOOPBACK RUNNING MTU:16436 Metric:1
    RX packets:0 errors:0 dropped:0 overruns:0 frame:0
    TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
    collisions:0 txqueuelen:0
    RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)
```

HN1 - VN1 route -n:

```
# route -n
Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref Use Iface
192.168.100.0 0.0.0.0 255.255.255.0 U 0 0 0 eth0
224.0.0.0 0.0.0.0 240.0.0.0 U 0 0 0 eth0
0.0.0.0 192.168.100.1 0.0.0.0 UG 0 0 0 eth0
```

For HN2 and VE2, the configuration is the same, just with different IPs and mac address.

My tests:

Run on VE1

ssmpingd

Run on VE2

```
# ssm ping 192.168.100.101
```

```
Failed to join multicast channel: Invalid argument  
errno=22
```

I appreciate any kind of help for this

Thanks!

---

Subject: Re: Problems with multicast between two VEs  
Posted by [fernandomm](#) on Fri, 20 Nov 2009 15:53:16 GMT  
[View Forum Message](#) <> [Reply to Message](#)

I have isolated the problem. It is caused when using proxmox kernels.

Using a Debian openvz kernel, fix the problem.

---

Subject: Re: Problems with multicast between two VEs  
Posted by [maratrus](#) on Fri, 20 Nov 2009 16:43:04 GMT  
[View Forum Message](#) <> [Reply to Message](#)

Hello Fernando,

I have been trying to reproduce your situation but was unable to do it. Everything is working just fine on my system. I was ready to answer you but noticed that the problem had already been solved

The only thing I would like to add is that ip address should be assigned to physical network interface not to the bridge. It is an OpenVZ peculiarity