
Subject: Multicast between VEs
Posted by [ataraxis](#) on Tue, 03 Jul 2007 07:32:36 GMT
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Hi,

i have a question regarding multicast (i am new to multicast):

I use the following commands to test multicast:

```
iperf -s -B 224.0.66.66 -u (server)
```

```
iperf -c 224.0.66.66 -u (client)
```

It only works within the same VE.

It does not work between different VEs.

It does not work with a HN.

It does not work between HN / VE (and other way around).

It does not work between different HNs.

Any ideas what to test?

This is a debian box with custom kernel config (2.6.18-028stab035-1-openvz).

Thanks,
Ataraxis

Subject: Re: Multicast between VEs
Posted by [Andrey Mirkin](#) on Tue, 03 Jul 2007 13:23:56 GMT
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Can you please describe your network configuration (ip a ls, ip ro ls in VE and HN). Do you use venet or veth device in VE?

Subject: Re: Multicast between VEs
Posted by [ataraxis](#) on Tue, 03 Jul 2007 13:47:22 GMT
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Quote: (ip a ls, ip ro ls in VE and HN).

```
HN  
ip a ls
```

```
2: eth0: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc pfifo_fast qlen 1000
```

```
link/ether 00:14:22:fe:7d:d8 brd ff:ff:ff:ff:ff:ff
inet XXX.YYY.ZZZ.253/27 brd XXX.YYY.ZZZ.255 scope global eth0
4: eth1: <BROADCAST,MULTICAST> mtu 1500 qdisc noop qlen 1000
link/ether 00:14:22:fe:7d:d9 brd ff:ff:ff:ff:ff:ff
6: lo: <LOOPBACK,UP,10000> 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 scope host lo
1: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,10000> mtu 1500 qdisc noqueue
link/void
```

ip ro ls

```
224.0.66.66 dev eth0 scope link
XXX.YYY.ZZZ.248 dev venet0 scope link
XXX.YYY.ZZZ.217 dev venet0 scope link
XXX.YYY.ZZZ.216 dev venet0 scope link
XXX.YYY.ZZZ.213 dev venet0 scope link
XXX.YYY.ZZZ.245 dev venet0 scope link
XXX.YYY.ZZZ.212 dev venet0 scope link
XXX.YYY.ZZZ.246 dev venet0 scope link
XXX.YYY.ZZZ.215 dev venet0 scope link
XXX.YYY.ZZZ.247 dev venet0 scope link
XXX.YYY.ZZZ.214 dev venet0 scope link
XXX.YYY.ZZZ.211 dev venet0 scope link
XXX.YYY.ZZZ.243 dev venet0 scope link
XXX.YYY.ZZZ.210 dev venet0 scope link
XXX.YYY.ZZZ.224/27 dev eth0 proto kernel scope link src XXX.YYY.ZZZ.253
224.0.0.0/4 dev eth0 scope link
default via XXX.YYY.ZZZ.225 dev eth0
```

VE

ip a ls

```
1: lo: <LOOPBACK,UP,10000> 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 scope host lo
3: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,10000> mtu 1500 qdisc noqueue
link/void
inet 127.0.0.1/32 scope host venet0
inet XXX.YYY.ZZZ.210/32 scope global venet0:0
```

ip ro ls

```
192.0.2.1 dev venet0 scope link
```

default via 192.0.2.1 dev venet0

Quote:Do you use venet or veth device in VE?
venet

Subject: Re: Multicast between VEs
Posted by [Andrey Mirkin](#) on Thu, 05 Jul 2007 15:42:03 GMT
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You need to setup veth networking inside your VE.
Also you will need to create a bridge on HN and add veth device and HN's eth0 device to it.

http://wiki.openvz.org/Virtual_Ethernet_device
