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Subject: How to run OSPF inside VE? (or: multicast support in VE in general)

Posted by [yiwang](#) on Sun, 02 Dec 2007 08:56:53 GMT

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I've been trying to get OSPF running inside VE, but without success so far.

I'm using 2.6.18-ovz028stab049.1 on FC5. I setup my VE using veth devices, following the instructions on <http://wiki.openvz.org/Veth>

When I run OSPF inside the VE, I found the multicast packets went through veth101.0 and veth101.1 (which correspond to eth0 and eth1 of the VE) from tcpdump:

```
-bash-3.1$ sudo tcpdump -i veth101.0
tcpdump: WARNING: veth101.0: no IPv4 address assigned
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
listening on veth101.0, link-type EN10MB (Ethernet), capture size 96 bytes
01:32:39.192908 IP 192.168.0.101 > OSPF-ALL.MCAST.NET: OSPFv2, Hello, length: 44
01:32:49.193922 IP 192.168.0.101 > OSPF-ALL.MCAST.NET: OSPFv2, Hello, length: 44
01:32:59.193966 IP 192.168.0.101 > OSPF-ALL.MCAST.NET: OSPFv2, Hello, length: 44
01:33:09.194958 IP 192.168.0.101 > OSPF-ALL.MCAST.NET: OSPFv2, Hello, length: 44
```

But the packets never showed up at eth0 and eth1 of the HN. (I expect packets coming out of veth101.0 to leave from eth0, and those from veth101.1 to leave from eth1.)

Any idea what the problem might be?

Thanks a lot!

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Subject: Re: How to run OSPF inside VE? (or: multicast support in VE in general)

Posted by [Vasily Tarasov](#) on Sun, 02 Dec 2007 23:04:08 GMT

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Hello Yi,

You need to create a bridge between your physical devices and veths on HN.

Some information about bridges is here:

[http://wiki.openvz.org/Virtual\\_Ethernet\\_device#Create\\_bridge\\_device](http://wiki.openvz.org/Virtual_Ethernet_device#Create_bridge_device)

HTH,  
Vasily

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