
Subject: veth and venet on one hardware node
Posted by [wojtek_z](#) on Tue, 04 May 2010 07:38:01 GMT
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Hi,
I have a problem with configuring veth (with dhcpd in virtual client) on hardware node with working venet.

I have hardware node with few containers with veneth configuration. I need another container but with veth (with dhcpd). Hardware node has two nic's in bonding (active-standby) configuration. I create container with veth device veth155.0 and bridge br155.

bridge name	bridge id	STP enabled	interfaces
br155	8000.000000000000	no	

In virtual container i have interface eth0 with ip address, netmask, gateway etc.

Configuration of Hardware Node:

2.6.26-2-openvz-amd64
debian 5.0.4 - lenny

Subject: Re: veth and venet on one hardware node
Posted by [maratrus](#) on Fri, 07 May 2010 14:17:33 GMT
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Hello,

briefly speaking you have to unite bond and veth interface on the HN.
Please, see details in
http://wiki.openvz.org/Using_private_IPs_for_Hardware_Nodes
(search in wiki if you need)

Also be careful when bridging bond0 and veth.
https://bugzilla.redhat.com/show_bug.cgi?id=487763

Subject: Re: veth and venet on one hardware node
Posted by [wojtek_z](#) on Sat, 08 May 2010 20:40:52 GMT
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Hi
Thanks for your information.

I have another question: is that possible to cooperate in one Hardware Node configuration some virtual Clients with veth and another Virtual clients with venet ?

Subject: Re: veth and venet on one hardware node
Posted by [maratrus](#) on Mon, 17 May 2010 05:21:26 GMT
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Quote:

I have another question: is that possible to cooperate in one Hardware Node configuration some virtual Clients with veth and another Virtual clients with venet ?

Hello, yes, don't see any problems.

Subject: Re: veth and venet on one hardware node
Posted by [wojtek_z](#) on Wed, 09 Jun 2010 20:44:00 GMT
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Hi
I have interface eth0 witch is bridged with br155 (with ip), also i have venet0. VC with veth bridged with br155 work great. But VC with network by venet doesn't has network acces.

Is there a special configuration ?

Subject: Re: veth and venet on one hardware node
Posted by [maratrus](#) on Fri, 11 Jun 2010 12:45:30 GMT
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No that is not a special configuration and it should work.
To find out the root of the problem I'd recommend you to use tcpdump utility. You may use it in the following manner:

- * ping any host from inside the VE
 - * at the same moment run tcpdump utility on three interfaces simultaneously: venet0 interface inside your VE, venet0 interface on the HN and physical interface on the HN.
 - * This way can help you to trace the networking packets i.e. whether they leave your VE, whether they reach a HN, whether they move through physical interface and are not dropped by iptables rules.
-

Subject: Re: veth and venet on one hardware node
Posted by [wojtek_z](#) on Fri, 11 Jun 2010 21:13:06 GMT
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Hi,

- iptables on HN is off
- ping from another HN didn't work
- ping from HN to VE (hosted on this HN) ok
- tcpdump from VE - no transmission
- tcpdump from HN on bridge - ok
- tcpdump from HN on physical interface - ok

It look's like no transmission between HN (venet) and VE

I checked `/proc/sys/net/*`

and compare with documentation.

After that I set `echo 1 /proc/sys/net/ipv4/ip_forward`

and all works fine
