Subject: Cannot get veth working to save my life... please help! Posted by batfastad on Sun, 01 Nov 2009 21:11:05 GMT

View Forum Message <> Reply to Message

Hi everyone

I'm really struggling getting veth to work. The container is Ubuntu 8.04 64bit and host is CentOS 5.3 64bit

I'm following this guide... http://wiki.openvz.org/Veth#Simple_configuration_with_virtua I_Ethernet_device but I just can't get it going

Here's what I'm doing:

vzctl set 105 --netif_add eth0,,,,vzbr0 --save

[host-node]# ifconfig veth105.0 0

[host-node]# echo 1 > /proc/sys/net/ipv4/conf/veth105.0/forwarding

[host-node]# echo 1 > /proc/sys/net/ipv4/conf/veth105.0/proxy_arp

[host-node]# echo 1 > /proc/sys/net/ipv4/conf/eth0/forwarding

[host-node]# echo 1 > /proc/sys/net/ipv4/conf/eth0/proxy_arp

[host-node]# vzctl enter 101

[ve-101]# /sbin/ifconfig eth0 0

[ve-101]# /sbin/ip addr add 192.168.1.15 dev eth0

[ve-101]# /sbin/ip route add default dev eth0

Do I need to restart the CT or the host's networking at any point in this procedure?

At what point should I be able to ping out of the container?

Anyone?

I've been working on this all day to switch our servers over and still no luck

Cheers, B

Subject: Re: Cannot get veth working to save my life... please help! Posted by curx on Mon, 02 Nov 2009 17:39:36 GMT

View Forum Message <> Reply to Message

Hi,

can you the output of your bridge configuration to examine if the veth(ernet) device is added to your bridge:

brctl show

Subject: Re: Cannot get veth working to save my life... please help! Posted by batfastad on Fri, 06 Nov 2009 19:29:50 GMT

View Forum Message <> Reply to Message

Hi Torsten

Thanks for replying... Sorry for the lack of reply on my part. Because I couldn't get it working I had to re-install our old server configuration.

I've now got a test box setup to experiment with veth and bridges Host OS is Ubuntu 8.04 Server, container #104 is CentOS 5.3

When I finally get the hang of this veth stuff then my production environment will be the other way round... CentOS host and Ubuntu template (with other CentOS templates)

I created a fresh container and managed to delete my old bridge device.

I still can't get it working.
I've basically followed this section
http://wiki.openvz.org/Veth#Simple_configuration_with_virtua I_Ethernet_device

I got a permission denied error on each of these commands [host-node]# sudo echo 1 > /proc/sys/net/ipv4/conf/veth104.0/forwarding [host-node]# sudo echo 1 > /proc/sys/net/ipv4/conf/veth104.0/proxy_arp [host-node]# sudo echo 1 > /proc/sys/net/ipv4/conf/eth0/forwarding [host-node]# sudo echo 1 > /proc/sys/net/ipv4/conf/eth0/proxy_arp ... So that's not good. That could be why this isn't working.

192.168.1.96 is the static IP I want to assign to this VE [host-node]# sudo vzctl enter 104 [ve-104]# /sbin/ifconfig eth0 0 [ve-104]# /sbin/ip addr add 192.168.1.96 dev eth0 [ve-104]# /sbin/ip route add default dev eth0 That final line I get an error "RTNETLINK answers: Network is down"

[host-node]# sudo brctl addbr vzbr0 [host-node]# sudo brctl addif vzbr0 veth104.0

[host-node]# sudo ifconfig vzbr0 0 [host-node]# sudo echo 1 > /proc/sys/net/ipv4/conf/vzbr0/forwarding [host-node]# sudo echo 1 > /proc/sys/net/ipv4/conf/vzbr0/proxy_arp Again I got permission denied errors when trying to echo 1 > /proc...

Then I did this (where 192.168.1.96 is the IP I want to assign to my VE)... [host-node]# sudo ip route add 192.168.1.96 dev veth104.0 [host-node]# ip route add 192.168.1.96 dev vzbr0

At this point, when I run brctl show I had the veth104.0 listed under my bridge vzbr0 So I tried...

sudo brctl addif eth0

to try and add my host's eth0 to the bridge as well.

Then when I re-run brctl show I get eth0 and veth104.0 listed under vzbr0

But I can't ping anywhere but localhost from the host. And nowhere from within the VE. I get the error "Network is unreachable" in all cases apart from pinging localhost.

I think I'm missing some steps and that I'm not bringing up/down the network or an interface when I should somewhere.

Any ideas?

Would the procedure vary massively between an Ubuntu host and a CentOS host?

Don't suppose anyone can write me a basic step-by-step on this? I'm willing to give a (small) Paypal reward to someone with (extreme) patience who can help me out!!

Cheers, B