Subject: *SOLVED* problems creating veth device: "Bad parameter for --veth_add: ..."

Posted by Bubba Ho-Tep on Mon, 22 Jan 2007 03:32:08 GMT

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I'm can't seem to create a veth device on my VE I get and error of "Bad parameter for --veth_add: eth101.0"

My specs:

HostOS: CentOS 4.4
kernel: 2.6.9-023stab037.3-smp

My VE is Ubuntu Dapper (used the minimal install from this site)

My host OS reports (via ifconfig) 3 devices:

eth1 - which has a IP and MAC address
lo - my loopback
venet0 - no ip and a MAC of all zeroes

The how to for setting up a veth (http://wiki.openvz.org/Veth)
says

$ vzctl set <VEID> --veth_add dev_name,dev_addr,ve_dev_name,ve_dev_addr

where "dev_name" is is ethernet device name in the host system.

Ok I understand I have to create a virtual devicce on the hostOs and a corresponding device on the VE -

however when I do

$ vzctl set 101 --veth_add veth101.0, a_made_up_MAC_address, eth0, a_made_up_MAC_address+1 --save

I get the "Bad parameter for --veth_add: eth101.0," error message.

What am I missing? Errr stupid question - do I need to install another NIC on my host system? Or do I just make up a MAC address? I tried using the MAC address of eth1 (the existing NIC on the host system) with the same results.

Also am I right in thinking I need to use a veth device (as opposed to a venet) to run a DHCP server in a VE?

Subject: Re: problems creating veth device
Posted by Vasily Tarasov on Mon, 22 Jan 2007 06:48:52 GMT
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As I can see in your commndline "eth0" persists, while
according to ifconfig you have "eth1".

Maybe this fact causes the problem?

HTH,
Vasily.

Subject: Re: problems creating veth device
Posted by Bubba Ho-Tep on Mon, 22 Jan 2007 08:29:10 GMT
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Sorry not sure I understand you...

"As I can see in your commndline "eth0" persists"

do you mean

$ vzctl set 101 --veth_add veth101.0, a_made_up_MAC_address, eth0,
a_made_up_MAC_address+1 --save

the eth0 in the line above? Isn't this the virtual Ethernet device which I'm creating?

Or do you mean the ".0" part of veth101.0? I just copied the format from the wiki and assumed the
same format.

BHT

Subject: Re: problems creating veth device
Posted by Andrey Mirkin on Mon, 22 Jan 2007 10:27:06 GMT
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Bubba Ho-Tep wrote on Sun, 21 January 2007 22:32
$ vzctl set 101 --veth_add veth101.0, a_made_up_MAC_address, eth0,
a_made_up_MAC_address+1 --save

As I can see you have spaces in this line after commas, please try following command:

$ vzctl set 101 --veth_add
veth101.0,a_made_up_MAC_address,eth0,a_made_up_MAC_address+1 --save

Quote:
Also am I right in thinking I need to use a veth device (as opposed to a venet) to run a DHCP
server in a VE?

Yes, you need to add veth device to VE to be able to run DHCP server in it.

Subject: Re: problems creating veth device
Posted by Bubba Ho-Tep on Mon, 22 Jan 2007 23:49:47 GMT
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Bingo! that was it. I has spaces after the commas.

Thanks