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Subject: Re: Not understanding networking (beware - tons of questions!)

Posted by [maratrus](#) on Wed, 07 May 2008 11:50:44 GMT

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Hello,

1.

Quote:

It is 100% impossible to change the MAC address inside the container for a veth device?

I have to admit that you've confused me with this question. So I've started to investigate this issue and found the following facts:

a) This feature was added here

"<http://git.openvz.org/?p=linux-2.6.18-openvz;a=commit;h=9b04401d0719c5a7f45d0816d3633a68ef79f10c>"

b) But if you want to change MAC address from inside the VPS you have to set appropriate permission for this VE from inside the HN

c) The common methods of vzctl utility cannot do this.

[http://bugzilla.openvz.org/show\\_bug.cgi?id=687](http://bugzilla.openvz.org/show_bug.cgi?id=687)

But you can write simple program for this purpose and give your VE such permission. If you want I can give you the simple example of such program.

2.

Quote:

So inside a VE with venet devices, the gateway is irrelevant - it can be anything?

yes

3.

Quote:

So the host listens for its own ip plus the ip of the VEs too?

a) vzctl put appropriate record to the route table when VE starts(something like VE\_IP dev venet0 scope link)

b) When you try to reach your VE arp-request comes to HN.

The node will arp reply for VE\_IP if and only if "ip r g VE\_IP from HN\_IP" ( HN\_IP form [incoming dev])

will return a route other than one to [incoming dev]

c) vzctl also put appropriate record to arp table to allow HN only reply for VE\_IP addresses.

d) HN reply for the apr\_request

c) Then HN receives other packets

HN works like a common router I'd say.

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