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Subject: Running DHCP on VPS, ( on a router.. )

Posted by [ml-openvz-eyck](#) on Wed, 26 Sep 2007 06:05:12 GMT

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Hello,

I'm having problems with setting up a dhcp server on vps, I figured out I need to create veth device, and then bridge it to the eth0.107 interface that I would like to serve dhcp on.

And it sometimes works, but more often then not my dhcp is ignoring requests, not to mention - when I put up a second dhcp on way slower physical machine, it manages to always respond first, even though it's few switch hops further away..

So I figured I'd give this VPS a physical interface to work with, but when I do that, that device disappears from the HN, which is not very good since I'm supposed to be routing packets coming from this interface.

Is there a way to stop such physical IF from disappearing from the HN? I do understand security implications of such setup, I need this to work.

Here's my setup:

on HN, debian's /etc/network/interfaces:

```
auto br107
iface br107 inet static
    bridge_ports eth0.107
    bridge_maxwait 3
    address 192.168.0.0
    netmask 255.255.255.0
    network 192.168.0.0
    broadcast 192.168.0.255
```

the same on VPS:

```
auto eth0
iface eth0 inet static
    address 192.168.0.251
    netmask 255.255.255.0
    network 192.168.0.0
    broadcast 192.168.0.255
    gateway 192.168.0.254
```

vps.conf:

```
NETIF="ifname=eth0,mac=00:18:51:6F:E6:41,host_ifname=veth107.0,host_mac=00:18:51:1C:F7:1D"
```

```
firewallOne:/home/eyck# less /etc/vz/vznet.conf
```

```
#!/bin/sh
```

```
EXTERNAL_SCRIPT="/etc/vz/add-bridges"  
firewallOne:/home/eyck# less /etc/vz/add-bridges
```

```
#!/bin/sh
```

```
brctl addif br107 veth107.0  
ifconfig veth107.0 up
```

```
--
```

```
Key fingerprint = 40D0 9FFB 9939 7320 8294 05E0 BCC7 02C4 75CC 50D9  
Total Existence Failure
```

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