
Subject: Doubts configuring DHCP server inside a CT

Posted by [Santi](#) on Fri, 05 Sep 2008 12:13:27 GMT

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Dear Srs,

I have make a P2V of a Debian Sarge server.. and now I need to install a DHCP inside the CT, I'am following this manual:

<http://wiki.openvz.org/DHCP>

```
# vzctl set 3001 --netif_add eth0 --save
Saved parameters for VE 3001
```

```
# grep NET /etc/vz/conf/3001.conf
NETIF="ifname=eth0,mac=00:18:51:87:DB:73,host_ifname=veth3001.0,host_mac=00:18:51:88:37:14"
```

```
# brctl show
bridge name      bridge id        STP enabled      interfaces
```

```
# brctl addif vzbr0 veth3001.0
bridge vzbr0 does not exist!
```

I get this error, show I add vzbr0 manually:

```
# brctl addbr vzbr0
```

```
# brctl show
bridge name      bridge id        STP enabled      interfaces
vzbr0            8000.001851883714  no               veth3001.0
```

Now I get a new error following the tutorial:

```
# cat /proc/sys/net/ipv4/conf/vzbr0/forwarding
cat: /proc/sys/net/ipv4/conf/vzbr0/forwarding: No such file or directory
```

Forcing a "vzbr0 0" I can set forwarding and proxy_arp:

```
# ifconfig vzbr0 0
```

```
# cat /proc/sys/net/ipv4/conf/vzbr0/forwarding
1
```

```
# cat /proc/sys/net/ipv4/conf/vzbr0/proxy_arp
0
```

```
# echo 1 > /proc/sys/net/ipv4/conf/vzbr0/proxy_arp
```

This is what a I see in the CT:

```
# vzctl enter 3001
```

```
# ifconfig -a
```

```
eth0    Link encap:Ethernet HWaddr 00:18:51:87:DB:73
        BROADCAST MULTICAST MTU:1500 Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
        TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)
```

```
lo      Link encap:Local Loopback
        inet addr:127.0.0.1 Mask:255.0.0.0
        inet6 addr: ::1/128 Scope:Host
        UP LOOPBACK RUNNING MTU:16436 Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
        TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)
```

```
venet0  Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        inet addr:127.0.0.1 P-t-P:127.0.0.1 Bcast:0.0.0.0 Mask:255.255.255.255
        UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
        TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)
```

eth0 has no IP address, so I give a PUBLIC IP address:

```
# ifconfig eth0 x.y.70.144 netmask 255.255.255.0 up
# route add default gw x.y.70.1 eth0
```

But I can't see any host from the CT.. so I delete all venet0 routes:

```
# route -n | egrep venet0
192.0.2.1    0.0.0.0    255.255.255.255 UH  0    0    0 venet0
0.0.0.0     192.0.2.1    0.0.0.0    UG  0    0    0 venet0
```

```
# ifdown venet0
```

But still I can see any external hosts..

What may be wrong?? eth0 inside the CT can have a public IP? Thanks!!

--

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Subject: Re: Doubts configuring DHCP server inside a CT
Posted by [Santi](#) on Thu, 11 Sep 2008 12:46:40 GMT
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Dear Srs,

I have still problems to set up a DHCP server inside a CT :-/

Some questions about veth devices in OpenVZ:

- I want to set up a veth for a CT, I need a dedicated NIC for each CT? For example, hardware node has two NICs: eth0 and eth1. eth0 has public IP and is connected to internet, I want to enable veth for a CT, can I use eth0 or I should use eth1?
- After enabling veth for a CT I try to setup the *public* IP inside the CT into the eth0 device, using ifconfig and route but I can ping the CT, can I use *public* IP inside the CT veth? According to the Wiki it's use a private IP..

Thanks!
