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Subject: **\*SOLVED\*** What I am mistaking. Help please  
Posted by [dragos2](#) on Wed, 26 Aug 2009 09:23:49 GMT  
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I have a fresh Ubuntu server 8.04 64 bit LTS installed,  
then I installed the openvz kernel from repositories,  
booted into it.

The server has a static ip and a domain assigned.

Then downloaded most of the precreated templates and created  
containers from them and started them, but I did not had  
internet access from then outside and vice-versa.

Then I assigned them the same IP public static ip and nameservers  
and the same domain. This did not worked too.

What am I missing ?

My /etc/network/interfaces

```
# This file describes the network interfaces available on your system  
# and how to activate them. For more information, see interfaces(5).
```

```
# The loopback network interface  
auto lo  
iface lo inet loopback
```

```
# The primary network interface  
auto eth1  
iface eth1 inet static  
    address 193.19.*.*  
    netmask 255.255.255.0  
    network 193.19.*.*  
    broadcast 193.19.*.*  
    gateway 193.19.*.*  
# dns-* options are implemented by the resolvconf package, if installed  
dns-nameservers 193.19.*.*  
dns-search mydomain.com
```

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Subject: Re: What I am mistaking. Help please  
Posted by [kir](#) on Wed, 26 Aug 2009 09:42:57 GMT  
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Each container should have its own IP address. Either public or private, in the latter case see

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Subject: Re: What I am mistaking. Help please  
Posted by [dragos2](#) on Wed, 26 Aug 2009 11:03:30 GMT  
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Thank you.

This is my scenario(public ip is 193.19.x.y):

```
root@ubu01:~# hostname  
ubu01.domain.com
```

```
root@deb01:~# vzctl set 777 --nameserver 193.19.*.* --ip 192.168.1.1 --save
```

```
root@ubu01:~# vzlist -a  
  VEID  NPROC STATUS IP_ADDR  HOSTNAME  
  777    8 running 192.168.1.1  vps.ubu01.domain.com
```

Allow access from outside to inside vps port 80

```
iptables -t nat -A PREROUTING -p tcp -d 193.19.x.y --dport port_num -i eth0 -j DNAT  
--to-destination 192.168.1.1:80
```

Allow access from inside the vps to the outside internet

```
iptables -t nat -A POSTROUTING -s 192.168.1.1 -o eth0 -j SNAT --to 193.19.x.y
```

But it is not working. I don't have internet to/from container.

I did something wrong ?

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Subject: Re: What I am mistaking. Help please  
Posted by [kir](#) on Wed, 26 Aug 2009 11:15:06 GMT  
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Any other iptables rules that you have?

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Subject: Re: What I am mistaking. Help please  
Posted by [kir](#) on Wed, 26 Aug 2009 11:15:57 GMT  
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Also, do you have ip forwarding enabled?

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Subject: Re: What I am mistaking. Help please  
Posted by [dragos2](#) on Wed, 26 Aug 2009 11:20:00 GMT  
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This is at the end of my sysctl.conf

```
# On Hardware Node we generally need  
# packet forwarding enabled and proxy arp disabled
```

```
net.ipv4.conf.default.forwarding=1  
net.ipv4.conf.default.proxy_arp=1  
net.ipv4.ip_forward=1  
net.ipv4.conf.all.forwarding=1
```

```
# Enables source route verification  
net.ipv4.conf.all.rp_filter = 1
```

```
# Enables the magic-sysrq key  
kernel.sysrq = 1
```

```
# TCP Explicit Congestion Notification  
#net.ipv4.tcp_ecn = 0
```

```
# we do not want all our interfaces to send redirects  
net.ipv4.conf.default.send_redirects = 1  
net.ipv4.conf.all.send_redirects = 0
```

No, there are no other iptables rules. Also ufw is disabled.

Any other details that you need ?

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Subject: Re: What I am mistaking. Help please  
Posted by [kir](#) on Wed, 26 Aug 2009 11:25:52 GMT  
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Are those sysctl.conf rules applied? i.e. show me your `/proc/sys/net/ipv4/ip_forward`

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Show me your "iptables -L -n -v" output.

Show me the result of pings

- from host system to container
  - from container to the host system
  - from host system to your gateway
  - from container to your gateway
- 

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Subject: Re: What I am mistaking. Help please

Posted by [dragos2](#) on Wed, 26 Aug 2009 11:30:37 GMT

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Thank you very much for your help.

Your NAT suggestion worked. My mistake what that in the iptables rules I was using eth0 but my external interface is eth1.

Now is working. I was that close to quit.

Thank you very much

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