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Subject: Re: Gateway 192.0.2.1 with Ubuntu-8.04 and Debian 4.0

Posted by [tanteauguri](#) on Tue, 18 Nov 2008 15:08:03 GMT

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I use exactly the same parameters in sysctl.conf:

```
root@openvz01:~# sysctl -p
net.ipv4.ip_forward = 1
net.ipv4.conf.default.proxy_arp = 0
net.ipv4.conf.all.rp_filter = 1
kernel.sysrq = 1
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0
root@openvz01:~#
```

I create a fresh Server with this script:

```
root@openvz01:~# cat /etc/scripts/make_ev.sh
vzctl create 101 --ostemplate ubuntu-8.04-i386-minimal
vzctl set 101 --onboot yes --save
vzctl set 101 --ipadd 193.80.225.63 --save
vzctl set 101 --nameserver 193.80.225.58 --save
vzctl set 101 --hostname ev101 --save
```

```
root@openvz01:~# /etc/scripts/make_ev.sh
Creating VE private area (ubuntu-8.04-i386-minimal)
Performing postcreate actions
VE private area was created
Saved parameters for VE 101
Saved parameters for VE 101
Saved parameters for VE 101
Saved parameters for VE 101
root@openvz01:~#
```

I start the new VE and receive an error:

```
root@openvz01:~# vzctl start 101
Starting VE ...
VE is mounted
Adding IP address(es): 193.80.225.63
vps-net_add WARNING: Function proxy_arp for eth0 is set to 0. Enable with 'sysctl -w
net.ipv4.conf.eth0.proxy_arp=1'. See /usr/share/doc/vzctl/README.Debian.
Setting CPU units: 1000
Configure meminfo: 65536
Set hostname: ev101
```

File resolv.conf was modified  
VE start in progress...  
root@openvz01:~#

I enter the Machine and have a crappy route:

```
root@openvz01:~# vzctl enter 101
entered into VE 101
root@ev101:~# route -n
Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref Use Iface
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
root@ev101:~#
```

The IP commands inside the VE:

```
root@ev101:~# ip a l
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,LOWER_UP> mtu 1500 qdisc noqueue
    link/void
    inet 127.0.0.1/32 scope host venet0
    inet 193.80.225.63/32 scope global venet0:0
root@ev101:~# ip r l
192.0.2.1 dev venet0 scope link
default via 192.0.2.1 dev venet0
root@ev101:~#
```

The IP commands inside the HN:

```
root@ev101:~# logout
exited from VE 101
root@openvz01:~# ip a l
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast qlen 1000
```

```
link/ether 00:14:5e:c9:28:9f brd ff:ff:ff:ff:ff:ff
inet 193.80.225.62/25 brd 193.80.254.127 scope global eth0
inet6 fe80::214:5eff:fec9:289f/64 scope link
    valid_lft forever preferred_lft forever
3: eth1: <BROADCAST,MULTICAST> mtu 1500 qdisc noop qlen 1000
    link/ether 00:02:44:52:79:54 brd ff:ff:ff:ff:ff:ff
4: eth2: <BROADCAST,MULTICAST> mtu 1500 qdisc noop qlen 1000
    link/ether 00:02:44:51:38:33 brd ff:ff:ff:ff:ff:ff
5: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,LOWER_UP> mtu 1500 qdisc noqueue
    link/void
root@openvz01:~# ip r l
193.80.225.63 dev venet0 scope link src 193.80.225.62
193.80.225.0/25 dev eth0 proto kernel scope link src 193.80.225.62
default via 193.80.225.1 dev eth0 metric 100
root@openvz01:~#
```

A not very elegant solution is to add FAKEGATEWAY=193.80.225.1 to the script  
debian-add\_ip.sh.

I run 300 vservers and would like to change to OpenVZ, so I would prefer a clean solution.  
Thanks for your help.