

Hi every body, Tank you for your help (I am sorry but my english is very bad.)

Well, I have OpenVz mount at Debian lenny this work very good but now I made a change in my Internet configuration and my CT do not have internet access.

I have this on my OpenVzSERVER:

```
eth0    Link encap:Ethernet  HWaddr 00:0b:6a:94:54:88
        inet addr:192.168.2.15  Bcast:192.168.2.255  Mask:255.255.255.0
        inet6 addr: fe80::20b:6aff:fe94:5488/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:2214523 errors:0 dropped:0 overruns:0 frame:0
        TX packets:2034759 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:1189111524 (1.1 GiB)  TX bytes:998419042 (952.1 MiB)
        Interrupt:19 Base address:0xd400

eth1    Link encap:Ethernet  HWaddr 00:21:91:90:8e:7d
        inet addr:192.168.150.2  Bcast:192.168.150.7  Mask:255.255.255.248
        UP 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:1000
        RX bytes:0 (0.0 B)  TX bytes:0 (0.0 B)
        Interrupt:17 Base address:0xd000

eth2    Link encap:Ethernet  HWaddr 00:08:54:27:1d:b8
        inet addr:190.145.2.YYY  Bcast:190.145.2.239  Mask:255.255.255.248
        inet6 addr: fe80::208:54ff:fe27:1db8/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:5053 errors:0 dropped:0 overruns:0 frame:0
        TX packets:34116 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:1046571 (1022.0 KiB)  TX bytes:9614680 (9.1 MiB)
        Interrupt:18 Base address:0xcc00

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:42897 errors:0 dropped:0 overruns:0 frame:0
        TX packets:42897 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:4394719 (4.1 MiB)  TX bytes:4394719 (4.1 MiB)
```

venet0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1  
RX packets:43510 errors:0 dropped:0 overruns:0 frame:0  
TX packets:38310 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:12827547 (12.2 MiB) TX bytes:7445673 (7.1 MiB)

veth70.0 Link encap:Ethernet HWaddr 00:18:51:39:c7:e7  
inet6 addr: fe80::218:51ff:fe39:c7e7/64 Scope:Link  
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1  
RX packets:26 errors:0 dropped:0 overruns:0 frame:0  
TX packets:18 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:1750 (1.7 KiB) TX bytes:1312 (1.2 KiB)

I have on my CT Id 70 :

eth0 Link encap:Ethernet HWaddr 00:18:51:84:DE:57  
inet addr:192.168.2.70 Bcast:192.168.2.255 Mask:255.255.255.0  
inet6 addr: fe80::218:51ff:fe84:de57/64 Scope:Link  
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1  
RX packets:14 errors:0 dropped:0 overruns:0 frame:0  
TX packets:21 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:1008 (1008.0 b) TX bytes:1448 (1.4 KiB)

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:1077 errors:0 dropped:0 overruns:0 frame:0  
TX packets:1077 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:83161 (81.2 KiB) TX bytes:83161 (81.2 KiB)

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:70 errors:0 dropped:0 overruns:0 frame:0  
TX packets:687 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:37730 (36.8 KiB) TX bytes:316514 (309.0 KiB)

Id do this on my CT for network configuration:

[On OpenVzSERVER]

vzctl set 70 --ipdel 192.168.2.70

vzctl set 70 --netif\_add eth0 --save

```
ifconfig -a
```

```
ifconfig veth70.0 0  
echo 1 > /proc/sys/net/ipv4/conf/veth70.0/forwarding  
echo 1 > /proc/sys/net/ipv4/conf/veth70.0/proxy_arp  
echo 1 > /proc/sys/net/ipv4/conf/eth0/forwarding  
echo 1 > /proc/sys/net/ipv4/conf/eth0/proxy_arp
```

```
[On CT 70]  
ifconfig eth0 0  
ip addr add 192.168.2.70 dev eth0  
ifconfig eth0 192.168.2.70 netmask 255.255.255.0 up  
ip route del default  
ip route add default dev eth0
```

```
[On OpenVzSERVER]  
ip route add 192.168.2.70 dev veth70.0
```

The CT can do ping to the network 192.168.2.0 but do not have internet access

Note: On my OpenVz SERVER do this iptables's script :

```
#!/bin/sh  
## SCRIPT de IPTABLES - ejemplo del manual de iptables  
## Ejemplo de script para firewall entre red-local e internet  
##  
## Pello Xabier Altadill Izura  
## www.pello.info - pello@pello.info
```

```
echo -n Aplicando Reglas de Firewall...
```

```
## FLUSH de reglas  
iptables -F  
iptables -X  
iptables -Z  
iptables -t nat -F
```

```
## Establecemos politica por defecto  
iptables -P INPUT ACCEPT  
iptables -P OUTPUT ACCEPT  
iptables -P FORWARD ACCEPT  
iptables -t nat -P PREROUTING ACCEPT  
iptables -t nat -P POSTROUTING ACCEPT
```

```
## Empezamos a filtrar
```

## Nota: eth0 es el interfaz conectado al router y eth1 a la LAN  
# El localhost se deja (por ejemplo conexiones locales a mysql)

```
/sbin/iptables -A INPUT -i lo -j ACCEPT
```

```
# Al firewall tenemos acceso desde la red local  
iptables -A INPUT -s 192.168.2.0/24 -i eth0 -j ACCEPT
```

```
# Ahora hacemos enmascaramiento de la red local  
# y activamos el BIT DE FORWARDING (imprescindible!!!!!!)
```

```
iptables -t nat -A POSTROUTING -s 192.168.0.0/24 -o eth2 -j MASQUERADE
```

```
# Con esto permitimos hacer forward de paquetes en el firewall, o sea  
# que otras máquinas puedan salir a través del firewall.
```

```
echo 1 > /proc/sys/net/ipv4/ip_forward  
echo " OK . Verifique que lo que se aplica con: iptables -L -n"
```

Thanks again.

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Subject: Re: Networking with OpenVz on Debian  
Posted by [maratrus](#) on Mon, 13 Jul 2009 12:11:15 GMT  
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Hello,

could you please describe why you need the following rule?

Quote:

```
iptables -t nat -A POSTROUTING -s 192.168.0.0/24 -o eth2 -j MASQUERADE
```

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Subject: Re: Networking with OpenVz on Debian [Solved]  
Posted by [ceduardo](#) on Mon, 13 Jul 2009 14:38:39 GMT

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Hi thansk for you answer,

I have this line for the redirection from internal LAN to eth2

# Al firewall tenemos acceso desde la red local

```
iptables -t nat -A POSTROUTING -s 192.168.0.0/24 -o eth2 -j MASQUERADE
```

But this line have a problem, because my internal LAN is 192.168.2.0/24 and not 192.168.0.0/24

I can solve this problem making this change on the same line. Where be 192.168.0.0/24 change to 192.168.2.0/24

# Al firewall tenemos acceso desde la red local

```
iptables -t nat -A POSTROUTING -s 192.168.2.0/24 -o eth2 -j MASQUERADE
```

Thanks every body!!!

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