
Subject: *SOLVED* OpenVPN in VPS : Masquerade
Posted by [laurent](#) on Wed, 08 Nov 2006 07:03:27 GMT
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Hi

I installed an OpenVPN server in a VPS, it work well.
i can, from an Openvpn client , access to the VPS trough a VPN connection.

an ifconfig in the VPS :

```
tun0  Lien encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
      inet adr:10.34.34.1 P-t-P:10.34.34.2  Masque:255.255.255.255
      UP POINTOPOINT RUNNING NOARP MULTICAST MTU:1500 Metric:1
      RX packets:10 errors:0 dropped:0 overruns:0 frame:0
      TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 lg file transmission:10
      RX bytes:600 (600.0 b) TX bytes:0 (0.0 b)
```

```
venet0  Lien encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
      inet adr:127.0.0.1 P-t-P:127.0.0.1  Bcast:0.0.0.0 Masque:255.255.255.255
      UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
      RX packets:3105 errors:0 dropped:0 overruns:0 frame:0
      TX packets:3029 errors:0 dropped:10 overruns:0 carrier:0
      collisions:0 lg file transmission:0
      RX bytes:482798 (471.4 KiB) TX bytes:294943 (288.0 KiB)
```

```
venet0:0  Lien encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
      inet adr:192.168.7.145 P-t-P:192.168.7.145  Bcast:192.168.7.145
      Masque:255.255.255.255
      UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
```

I m trying to connect from the openvpn client to the venet0 network 192.168.7.0/24 (of the VPS) and it doesn't work. i supposed that i have to masquerade traffic inside the VPS, but ...

i trying to use ine the VPS

```
# iptables -t nat -A POSTROUTING -s 10.34.34.0/24 -j MASQUERADE
```

and i have :

```
iptables: No chain/target/match by that name
```

I read a lot of messages in the openvz forum , but there is no solution detailed!

some other information :

in the Host

```
lsmod | grep iptable
```

```
iptables_mangle      4544 8
```

```
iptables_nat         27540 10
```

```
ipt_SAME, ipt_REDIRECT, ipt_NETMAP, ipt_MASQUERADE, ip_nat_irc, ip_nat_tftp, ip_nat_ftp
ip_conntrack          37420 15
ipt_SAME, ipt_REDIRECT, ipt_NETMAP, ipt_MASQUERADE, ipt_helper, i
pt_conntrack, ip_nat_irc, ip_nat_tftp, ip_nat_ftp, ip_conntrack_
irc, ip_conntrack_tftp, ip_conntrack_ftp, iptable_nat, ipt_state
iptables_filter       4384 8
ip_tables             22064 26 iptable_mangle, ipt_ttl, ipt_TOS, ipt_tos, ipt_TCPMSS, ipt_tcpmss
, ipt_SAME, ipt_REDIRECT, ipt_recent, ipt_NETMAP, ipt_multiport, i
pt_MASQUERADE, ipt_MARK, ipt_mark, ipt_mac, ipt_LOG, ipt_limit, ip
t_length, ipt_iprange, ipt_helper, ipt_conntrack, ipt_CLASSIFY, i
ptable_nat, ipt_REJECT, ipt_state, iptable_filter
```

```
cat /etc/sysconfig/vz | grep iptab
IPTABLES="ipt_REJECT ipt_tos ipt_limit ipt_multiport iptable_filter iptable_mangle ipt_TCPMSS
ipt_tcpmss ipt_ttl ipt_length iptable_nat ipt_REDIRECT ipt_conntrack ip_conntrack"
```

```
uname -r
2.6.8-022stab077.1-smp
```

in the VPS:

```
iptables -t nat -nL
Chain PREROUTING (policy ACCEPT)
target prot opt source destination
```

```
Chain POSTROUTING (policy ACCEPT)
target prot opt source destination
```

```
Chain OUTPUT (policy ACCEPT)
target prot opt source destination
```

thanks in advance for any solution