
Subject: Re: OpenVPN inside VE using TUN - Can't see server's network

Posted by [bwoo](#) on Thu, 15 May 2008 01:27:10 GMT

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Here are the relevant details you're looking for. I couldn't get a meaningful tcpdump. But hopefully this helps.

Essentially, my VPN clients can ping 10.8.0.1, and 192.168.0.103 (which is the ip of the VPN server), but can't ping any other 192.168.0.x addresses. When I installed OpenVPN on the HN, everything works!

VE's ip route list table all

```
[root@vpn /]# ip route list table all
```

```
10.8.0.2 dev tun0 proto kernel scope link src 10.8.0.1
```

```
10.8.0.0/24 via 10.8.0.2 dev tun0
```

```
192.0.2.0/24 dev venet0 scope host
```

```
169.254.0.0/16 dev venet0 scope link
```

```
default via 192.0.2.1 dev venet0
```

```
broadcast 127.255.255.255 dev lo table 255 proto kernel scope link src 127.0.0.1
```

```
local 10.8.0.1 dev tun0 table 255 proto kernel scope host src 10.8.0.1
```

```
local 192.168.0.103 dev venet0 table 255 proto kernel scope host src 192.168.0.103
```

```
broadcast 192.168.0.103 dev venet0 table 255 proto kernel scope link src 192.168.0.103
```

```
broadcast 127.0.0.0 dev lo table 255 proto kernel scope link src 127.0.0.1
```

```
local 127.0.0.1 dev lo table 255 proto kernel scope host src 127.0.0.1
```

```
local 127.0.0.1 dev venet0 table 255 proto kernel scope host src 127.0.0.1
```

```
local 127.0.0.0/8 dev lo table 255 proto kernel scope host src 127.0.0.1
```

```
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255
```

```
local ::1 via :: dev lo table 255 proto none metric 0 mtu 16436 advmss 16376 hoplimit 4294967295
```

```
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255
```

HN's ip route list table all

```
[root@max ~]# ip route list table all
```

```
192.168.0.103 dev venet0 scope link
```

```
192.168.0.0/24 dev eth0 proto kernel scope link src 192.168.0.101
```

```
169.254.0.0/16 dev eth0 scope link
```

```
default via 192.168.0.1 dev eth0
```

```
broadcast 192.168.0.255 dev eth0 table 255 proto kernel scope link src 192.168.0.101
```

```
broadcast 127.255.255.255 dev lo table 255 proto kernel scope link src 127.0.0.1
```

```
broadcast 192.168.0.0 dev eth0 table 255 proto kernel scope link src 192.168.0.101
```

```
broadcast 127.0.0.0 dev lo table 255 proto kernel scope link src 127.0.0.1
```

```
local 192.168.0.101 dev eth0 table 255 proto kernel scope host src 192.168.0.101
```

```
local 127.0.0.1 dev lo table 255 proto kernel scope host src 127.0.0.1
```

```
local 127.0.0.0/8 dev lo table 255 proto kernel scope host src 127.0.0.1
```

```
unreachable ::/96 dev lo metric 1024 expires 20463544sec error -101 mtu 16436 advmss 16376 hoplimit 4294967295
```

```
unreachable ::ffff:0.0.0.0/96 dev lo metric 1024 expires 20463544sec error -101 mtu 16436 advmss 16376 hoplimit 4294967295
```

```

unreachable 2002:a00::/24 dev lo metric 1024 expires 20463544sec error -101 mtu 16436
advms 16376 hoplimit 4294967295
unreachable 2002:7f00::/24 dev lo metric 1024 expires 20463544sec error -101 mtu 16436
advms 16376 hoplimit 4294967295
unreachable 2002:a9fe::/32 dev lo metric 1024 expires 20463544sec error -101 mtu 16436
advms 16376 hoplimit 4294967295
unreachable 2002:ac10::/28 dev lo metric 1024 expires 20463544sec error -101 mtu 16436
advms 16376 hoplimit 4294967295
unreachable 2002:c0a8::/32 dev lo metric 1024 expires 20463544sec error -101 mtu 16436
advms 16376 hoplimit 4294967295
unreachable 2002:e000::/19 dev lo metric 1024 expires 20463544sec error -101 mtu 16436
advms 16376 hoplimit 4294967295
unreachable 3ffe:ffff::/32 dev lo metric 1024 expires 20463544sec error -101 mtu 16436 advms
16376 hoplimit 4294967295
fe80::/64 dev eth0 metric 256 expires 20463539sec mtu 1500 advms 1440 hoplimit
4294967295
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255
local ::1 via :: dev lo table 255 proto none metric 0 mtu 16436 advms 16376 hoplimit
4294967295
local fe80::207:e9ff:fe24:9808 via :: dev lo table 255 proto none metric 0 mtu 16436 advms
16376 hoplimit 4294967295
ff00::/8 dev eth0 table 255 metric 256 expires 20463539sec mtu 1500 advms 1440 hoplimit
4294967295
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255

```

VE's netfilter config

```

[root@vpn /]# iptables -t nat -L && iptables -t filter -L && iptables -t mangle -L
iptables v1.3.5: can't initialize iptables table `nat': Table does not exist (do you need to insmod?)
Perhaps iptables or your kernel needs to be upgraded.

```

HN's netfilter config

```

[root@max ~]# iptables -t nat -L && iptables -t filter -L && iptables -t mangle -L

```

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
```

Chain INPUT (policy ACCEPT)

```
target    prot opt source                destination
```

Chain FORWARD (policy ACCEPT)

```
target    prot opt source                destination
```

Chain OUTPUT (policy ACCEPT)

```
target    prot opt source                destination
```

Chain PREROUTING (policy ACCEPT)
target prot opt source destination

Chain INPUT (policy ACCEPT)
target prot opt source destination

Chain FORWARD (policy ACCEPT)
target prot opt source destination

Chain OUTPUT (policy ACCEPT)
target prot opt source destination

Chain POSTROUTING (policy ACCEPT)
target prot opt source destination
