
Subject: Re: vpn in a VE locks out local traffic ?
Posted by [daryn](#) on Thu, 22 May 2008 10:07:39 GMT
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Hi, thanks for your answer.

Indeed that was the problem and adding a static route to the local network (192.168.2.0/24) prior to starting vpn solves it :

```
[root@ovhost ~]# vzctl exec 101 route -n
```

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
192.0.2.0	0.0.0.0	255.255.255.0	U	0	0	0	venet0
0.0.0.0	192.0.2.1	0.0.0.0	UG	0	0	0	venet0

```
[root@ovhost ~]# vzctl exec 101 route add -net 192.168.2.0 netmask 255.255.255.0 dev venet0 .0 dev venet0
```

```
[root@ovhost ~]# vzctl exec 101 route -n
```

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
192.168.2.0	0.0.0.0	255.255.255.0	U	0	0	0	venet0
192.0.2.0	0.0.0.0	255.255.255.0	U	0	0	0	venet0
0.0.0.0	192.0.2.1	0.0.0.0	UG	0	0	0	venet0

```
[root@ovhost ~]# vzctl exec 101 /usr/local/sbin/vpn
```

VPN started in background (pid: 32582)...

```
[root@ovhost ~]# vzctl exec 101 route -n
```

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
CCC.CCC.CCC.CCC	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
DDD.DDD.DDD.DDD	0.0.0.0	255.255.255.255	UH	0	0	0	tun0
EEE.EEE.EEE.EEE	0.0.0.0	255.255.255.255	UH	0	0	0	tun0
192.168.2.0	0.0.0.0	255.255.255.0	U	0	0	0	venet0
192.0.2.0	0.0.0.0	255.255.255.0	U	0	0	0	venet0
192.168.0.0	0.0.0.0	255.255.0.0	U	0	0	0	tun0
172.16.0.0	0.0.0.0	255.240.0.0	U	0	0	0	tun0
0.0.0.0	0.0.0.0	0.0.0.0	U	0	0	0	tun0

```
[root@ovhost ~]# ping -c 3 192.168.2.101
```

PING 192.168.2.101 (192.168.2.101) 56(84) bytes of data.

64 bytes from 192.168.2.101: icmp_seq=0 ttl=64 time=0.443 ms

64 bytes from 192.168.2.101: icmp_seq=1 ttl=64 time=0.282 ms

64 bytes from 192.168.2.101: icmp_seq=2 ttl=64 time=0.196 ms

--- 192.168.2.101 ping statistics ---

3 packets transmitted, 3 received, 0% packet loss, time 2001ms

rtt min/avg/max/mdev = 0.196/0.307/0.443/0.102 ms, pipe 2

```
[root@ovhost ~]# vzctl exec 101 ping -c 3 192.168.2.20
```

PING 192.168.2.20 (192.168.2.20) 56(84) bytes of data.

64 bytes from 192.168.2.20: icmp_seq=0 ttl=64 time=0.682 ms

64 bytes from 192.168.2.20: icmp_seq=1 ttl=64 time=0.695 ms

64 bytes from 192.168.2.20: icmp_seq=2 ttl=64 time=0.656 ms

--- 192.168.2.20 ping statistics ---

3 packets transmitted, 3 received, 0% packet loss, time 2002ms

rtt min/avg/max/mdev = 0.656/0.677/0.695/0.034 ms, pipe 2

[root@ovhost ~]# vzctl exec 101 ping -c 3 target.host.on.the.vpn

PING target.host.on.the.vpn (XXX.XXX.XXX.XXX) 56(84) bytes of data.

64 bytes from target.host.on.the.vpn (XXX.XXX.XXX.XXX): icmp_seq=0 ttl=62 time=23.5 ms

64 bytes from target.host.on.the.vpn (XXX.XXX.XXX.XXX): icmp_seq=1 ttl=62 time=31.4 ms

64 bytes from target.host.on.the.vpn (XXX.XXX.XXX.XXX): icmp_seq=2 ttl=62 time=32.0 ms

--- target.host.on.the.vpn ping statistics ---

3 packets transmitted, 3 received, 0% packet loss, time 2002ms

rtt min/avg/max/mdev = 23.591/29.031/32.099/3.859 ms, pipe 2

[root@ovhost ~]# vzctl exec 101 /usr/local/sbin/vpnc-disconnect

Terminating vpnc daemon (pid: 32582)

[root@ovhost ~]# vzctl exec 101 route -n

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
192.168.2.0	0.0.0.0	255.255.255.0	U 0	0	0	0	venet0
192.0.2.0	0.0.0.0	255.255.255.0	U 0	0	0	0	venet0
0.0.0.0	192.0.2.1	0.0.0.0	UG 0	0	0	0	venet0

[root@ovhost ~]#

I am not sure it is the best solution but it does work. I made the route persistent across VE restarts as follows:

[root@ovhost ~]# vzctl enter 101

[root@ov101 /]# cat /etc/sysconfig/network-scripts/route-venet0

192.0.2.0/24 dev venet0 scope host

default via 192.0.2.1

[root@ov101 /]# echo 192.168.2.0/24 dev venet0 >> /etc/sysconfig/network-scripts/route-venet0
/route-venet0

[root@ov101 /]# cat /etc/sysconfig/network-scripts/route-venet0

192.0.2.0/24 dev venet0 scope host

default via 192.0.2.1

192.168.2.0/24 dev venet0

[root@ov101 /]# logout

exited from VE 101

[root@ovhost ~]# vzctl restart 101

Restarting VE

Stopping VE ...

VE was stopped

VE is unmounted

Starting VE ...

```
VE is mounted
Adding IP address(es): 192.168.2.101
Setting CPU units: 1000
Setting devices
Configure meminfo: 65536
Set hostname: ov101
File resolv.conf was modified
VE start in progress...
[root@ovhost ~]# vzctl exec 101 route -n
Kernel IP routing table
Destination    Gateway      Genmask      Flags Metric Ref  Use Iface
192.168.2.0    0.0.0.0      255.255.255.0 U    0    0    0 venet0
192.0.2.0      0.0.0.0      255.255.255.0 U    0    0    0 venet0
0.0.0.0        192.0.2.1    0.0.0.0      UG   0    0    0 venet0
[root@ovhost ~]#
```

Thank you!
