
Subject: Re: cannot ping internet from ve
Posted by [cesurasean](#) on Mon, 09 Jun 2008 21:44:54 GMT
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#VE

```
root@test:/# ip rule list
0:      from all lookup local
32766:  from all lookup main
32767:  from all lookup default
```

```
root@test:/# ip route list table all
192.0.2.1 dev venet0  scope link
default via 192.0.2.1 dev venet0
broadcast 127.255.255.255 dev lo  table local  proto kernel  scope link  src 127.0.0.1
local 75.125.210.115 dev venet0  table local  proto kernel  scope host   src 75.125.210.115
broadcast 127.0.0.0 dev lo  table local  proto kernel  scope link  src 127.0.0.1
local 127.0.0.1 dev lo  table local  proto kernel  scope host   src 127.0.0.1
local 127.0.0.1 dev venet0  table local  proto kernel  scope host   src 127.0.0.1
local 127.0.0.0/8 dev lo  table local  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 local  proto none   metric 0    mtu 16436 advmss 16376 hoplimit
4294967295
unreachable default dev lo  table unspec  proto none   metric -1   error -101 hoplimit 255
```

```
root@test:/# ip a l
1: lo: <LOOPBACK,UP,10000> 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
3: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,10000> mtu 1500 qdisc noqueue
    link/void
    inet 127.0.0.1/32 scope host venet0
    inet 75.125.210.115/32 scope global venet0:0
```

```
root@test:/# ip r l
192.0.2.1 dev venet0  scope link
```

default via 192.0.2.1 dev venet0

root@test:/# tcpdump

-bash: tcpdump: command not found

#HN

[root@dreamintsadecv cache]# ip rule list

0: from all lookup 255

32766: from all lookup main

32767: from all lookup default

```

[root@dreamintsadecv cache]# ip route list table all
75.125.210.115 dev venet0 scope link
75.125.210.112/28 dev eth0 proto kernel scope link src 75.125.210.114
169.254.0.0/16 dev eth0 scope link
default via 75.125.210.113 dev eth0
broadcast 75.125.210.127 dev eth0 table 255 proto kernel scope link src 75.125.210.114
broadcast 127.255.255.255 dev lo table 255 proto kernel scope link src 127.0.0.1
local 75.125.210.125 dev eth0 table 255 proto kernel scope host src 75.125.210.114
local 75.125.210.124 dev eth0 table 255 proto kernel scope host src 75.125.210.114
local 75.125.210.123 dev eth0 table 255 proto kernel scope host src 75.125.210.114
local 75.125.210.122 dev eth0 table 255 proto kernel scope host src 75.125.210.114
local 75.125.210.121 dev eth0 table 255 proto kernel scope host src 75.125.210.114
local 75.125.210.120 dev eth0 table 255 proto kernel scope host src 75.125.210.114
local 75.125.210.119 dev eth0 table 255 proto kernel scope host src 75.125.210.114
local 75.125.210.118 dev eth0 table 255 proto kernel scope host src 75.125.210.114
local 75.125.210.117 dev eth0 table 255 proto kernel scope host src 75.125.210.114
local 75.125.210.116 dev eth0 table 255 proto kernel scope host src 75.125.210.114
local 75.125.210.115 dev eth0 table 255 proto kernel scope host src 75.125.210.114
local 75.125.210.114 dev eth0 table 255 proto kernel scope host src 75.125.210.114
broadcast 127.0.0.0 dev lo table 255 proto kernel scope link src 127.0.0.1
broadcast 75.125.210.112 dev eth0 table 255 proto kernel scope link src 75.125.210.114
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 21332063sec error -101 mtu 16436 advmss 16376
hoplimit 4294967295
unreachable ::ffff:0.0.0.0/96 dev lo metric 1024 expires 21332063sec error -101 mtu 16436
advmss 16376 hoplimit 4294967295
unreachable 2002:a00::/24 dev lo metric 1024 expires 21332063sec error -101 mtu 16436
advmss 16376 hoplimit 4294967295
unreachable 2002:7f00::/24 dev lo metric 1024 expires 21332063sec error -101 mtu 16436
advmss 16376 hoplimit 4294967295
unreachable 2002:a9fe::/32 dev lo metric 1024 expires 21332063sec error -101 mtu 16436
advmss 16376 hoplimit 4294967295
unreachable 2002:ac10::/28 dev lo metric 1024 expires 21332063sec error -101 mtu 16436
advmss 16376 hoplimit 4294967295
unreachable 2002:c0a8::/32 dev lo metric 1024 expires 21332063sec error -101 mtu 16436
advmss 16376 hoplimit 4294967295
unreachable 2002:e000::/19 dev lo metric 1024 expires 21332063sec error -101 mtu 16436
advmss 16376 hoplimit 4294967295
unreachable 3ffe:ffff::/32 dev lo metric 1024 expires 21332063sec error -101 mtu 16436 advmss
16376 hoplimit 4294967295
fe80::/64 dev eth0 metric 256 expires 21332060sec mtu 1500 advmss 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 advmss 16376 hoplimit
4294967295
local fe80::219:b9ff:fefe:a654 via :: dev lo table 255 proto none metric 0 mtu 16436 advmss
16376 hoplimit 4294967295

```

```
ff00::/8 dev eth0 table 255 metric 256 expires 21332060sec mtu 1500 advmss 1440 hoplimit 4294967295
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255
```

```
[root@dreamintsadecv cache]# 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
```

```
[root@dreamintsadecv cache]# iptables -F
```

```
[root@dreamintsadecv cache]#
```

```
[root@dreamintsadecv cache]# ip a l
```

```

2: 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
4: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:19:b9:fe:a6:54 brd ff:ff:ff:ff:ff:ff
    inet 75.125.210.114/28 brd 75.125.210.127 scope global eth0
    inet 75.125.210.115/28 brd 75.125.210.127 scope global secondary eth0:0
    inet 75.125.210.116/28 brd 75.125.210.127 scope global secondary eth0:1
    inet 75.125.210.117/28 brd 75.125.210.127 scope global secondary eth0:2
    inet 75.125.210.118/28 brd 75.125.210.127 scope global secondary eth0:3
    inet 75.125.210.119/28 brd 75.125.210.127 scope global secondary eth0:4
    inet 75.125.210.120/28 brd 75.125.210.127 scope global secondary eth0:5
    inet 75.125.210.121/28 brd 75.125.210.127 scope global secondary eth0:6
    inet 75.125.210.122/28 brd 75.125.210.127 scope global secondary eth0:7
    inet 75.125.210.123/28 brd 75.125.210.127 scope global secondary eth0:8
    inet 75.125.210.124/28 brd 75.125.210.127 scope global secondary eth0:9
    inet 75.125.210.125/28 brd 75.125.210.127 scope global secondary eth0:10
    inet6 fe80::219:b9ff:fefe:a654/64 scope link
        valid_lft forever preferred_lft forever
6: sit0: <NOARP> mtu 1480 qdisc noop
    link/sit 0.0.0.0 brd 0.0.0.0
1: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,LOWER_UP> mtu 1500 qdisc noqueue
    link/void

```

```

[root@dreamintsadecv cache]# ip r l
75.125.210.115 dev venet0 scope link
75.125.210.112/28 dev eth0 proto kernel scope link src 75.125.210.114
169.254.0.0/16 dev eth0 scope link
default via 75.125.210.113 dev eth0

```

sysctl.conf

```

# Kernel sysctl configuration file for Red Hat Linux
#
# For binary values, 0 is disabled, 1 is enabled. See sysctl( and
# sysctl.conf(5) for more details.

# Controls IP packet forwarding
#net.ipv4.ip_forward = 0

```

```
# Controls source route verification
net.ipv4.conf.default.rp_filter = 1

# Do not accept source routing
net.ipv4.conf.default.accept_source_route = 0

# Controls the System Request debugging functionality of the kernel
#kernel.sysrq = 0

# Controls whether core dumps will append the PID to the core filename
# Useful for debugging multi-threaded applications
kernel.core_uses_pid = 1

# Controls the use of TCP syncookies
net.ipv4.tcp_syncookies = 1

# Controls the maximum size of a message, in bytes
kernel.msgmnb = 65536

# Controls the default maximum size of a message queue
kernel.msgmax = 65536

# Controls the maximum shared segment size, in bytes
kernel.shmmax = 4294967295

# Controls the maximum number of shared memory segments, in pages
kernel.shmall = 268435456

# On Hardware Node we generally need
# packet forwarding enabled and proxy arp disabled
net.ipv4.ip_forward = 1
net.ipv4.conf.default.proxy_arp = 0
# Enables source route verification
net.ipv4.conf.all.rp_filter = 1
net.ipv4.icmp_echo_ignore_broadcasts = 1
net.ipv4.conf.default.forwarding = 1
# Enables the magic-sysrq key
kernel.sysrq = 1
# TCP Explicit Congestion Notification
#net.ipv4.tcp_ecn = 0
# we do not want all our interfaces to send redirects
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0
```

```
[root@dreamintsadecv cache]# arp -n
```

Address	HWtype	HWaddress	Flags	Mask	Iface
75.125.210.113	ether	00:1C:58:31:53:7F	C		eth0
75.125.210.115	*	*	MP	eth0	

```
[root@dreamintsadecv cache]# tcpdump -i venet0 -e host 204.152.191.5
tcpdump: WARNING: arptype 65535 not supported by libpcap - falling back to cooked socket
tcpdump: WARNING: venet0: no IPv4 address assigned
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
listening on venet0, link-type LINUX_SLL (Linux cooked), capture size 96 bytes
16:22:57.397488 In ethertype IPv4 (0x0800), length 100: test.domain.com > pub1.kernel.org:
ICMP echo request, id 21807, seq 1, length 64
16:22:58.398286 In ethertype IPv4 (0x0800), length 100: test.domain.com > pub1.kernel.org:
ICMP echo request, id 21807, seq 2, length 64
16:22:59.397486 In ethertype IPv4 (0x0800), length 100: test.domain.com > pub1.kernel.org:
ICMP echo request, id 21807, seq 3, length 64
16:23:00.397673 In ethertype IPv4 (0x0800), length 100: test.domain.com > pub1.kernel.org:
ICMP echo request, id 21807, seq 4, length 64
16:23:01.397894 In ethertype IPv4 (0x0800), length 100: test.domain.com > pub1.kernel.org:
ICMP echo request, id 21807, seq 5, length 64
16:23:02.398032 In ethertype IPv4 (0x0800), length 100: test.domain.com > pub1.kernel.org:
ICMP echo request, id 21807, seq 6, length 64
16:23:03.397255 In ethertype IPv4 (0x0800), length 100: test.domain.com > pub1.kernel.org:
ICMP echo request, id 21807, seq 7, length 64
16:23:04.397433 In ethertype IPv4 (0x0800), length 100: test.domain.com > pub1.kernel.org:
ICMP echo request, id 21807, seq 8, length 64
16:23:05.397644 In ethertype IPv4 (0x0800), length 100: test.domain.com > pub1.kernel.org:
ICMP echo request, id 21807, seq 9, length 64
```

I think this is the best I can do this time. If I can run anymore other tests, please tell me. Can someone PLEASE tell me why VE can't access the internet?
