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Subject: Re: Internet access from VE (again)  
Posted by [Thomasd](#) on Wed, 13 Feb 2008 21:06:51 GMT  
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I should add this:  
(from the host)

```
# iptables -t filter -L
```

```
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
```

```
# iptables -t nat -L
```

```
Chain PREROUTING (policy ACCEPT)
```

```
target    prot opt source                destination
```

DNAT	tcp	--	anywhere	anywhere	tcp dpt:search to:10.0.20.10:22
DNAT	tcp	--	anywhere	anywhere	tcp dpt:domain to:10.0.20.10:53
DNAT	udp	--	anywhere	anywhere	udp dpt:domain to:10.0.20.10:53
DNAT	tcp	--	anywhere	anywhere	tcp dpt:xinupageserver to:10.0.20.20:22
DNAT	tcp	--	anywhere	anywhere	tcp dpt:samsung-unidex to:10.0.40.10:22
DNAT	tcp	--	anywhere	anywhere	tcp dpt:trap to:10.0.40.20:22
DNAT	tcp	--	anywhere	anywhere	tcp dpt:imap to:10.0.40.20:143
DNAT	tcp	--	anywhere	anywhere	tcp dpt:smtp to:10.0.40.20:25
DNAT	tcp	--	anywhere	anywhere	tcp dpt:yo-main to:10.0.40.40:22
DNAT	tcp	--	anywhere	anywhere	tcp dpt:4080 to:10.0.40.80:22
DNAT	tcp	--	anywhere	anywhere	tcp dpt:x11-ssh-offset to:10.0.60.10:22
DNAT	tcp	--	anywhere	anywhere	tcp dpt:6020 to:10.0.60.20:22
DNAT	tcp	--	anywhere	anywhere	tcp dpt:6040 to:10.0.60.40:22
DNAT	tcp	--	anywhere	anywhere	tcp dpt:6080 to:10.0.60.80:22
DNAT	tcp	--	anywhere	anywhere	tcp dpt:8010 to:10.0.80.10:22

```
Chain POSTROUTING (policy ACCEPT)
```

```
target    prot opt source                destination
```

```
SNAT      all  --  10.0.0.0/16           anywhere        to:<my main ip>
```

```
Chain OUTPUT (policy ACCEPT)
```

```
target    prot opt source                destination
```

then, when trying to do a ping yahoo.com from the VE, I did this on the host:

```
# tcpdump -n -i venet0
```

```
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
13:07:43.534691 IP 10.0.40.10.32921 > 208.109.188.1.domain: 42549+ A? yahoo.com. (27)
13:07:43.534723 IP 10.0.40.10.32921 > 10.0.20.10.domain: 42549+ A? yahoo.com. (27)
13:07:43.535025 IP 10.0.20.10.domain > 10.0.40.10.32921: 42549- 0/13/0 (238)
13:07:43.535049 IP 208.109.188.1.domain > 10.0.40.10.32921: 42549- 0/13/0 (238)
13:07:43.536025 IP 10.0.40.10.32921 > 208.109.188.2.domain: 42549+ A? yahoo.com. (27)
13:07:43.536053 IP 10.0.40.10.res > 10.0.20.10.domain: 42549+ A? yahoo.com. (27)
13:07:43.536312 IP 10.0.20.10.domain > 10.0.40.10.res: 42549- 0/13/0 (238)
13:07:43.536335 IP 208.109.188.2.domain > 10.0.40.10.32921: 42549- 0/13/0 (238)
13:07:43.536688 IP 10.0.40.10.32921 > 208.109.188.1.domain: 42549+ A? yahoo.com. (27)
13:07:43.536714 IP 10.0.40.10.32921 > 10.0.20.10.domain: 42549+ A? yahoo.com. (27)
13:07:43.537109 IP 10.0.20.10.domain > 10.0.40.10.32921: 42549- 0/13/0 (238)
13:07:43.537138 IP 208.109.188.1.domain > 10.0.40.10.32921: 42549- 0/13/0 (238)
13:07:43.537303 IP 10.0.40.10.32921 > 208.109.188.2.domain: 42549+ A? yahoo.com. (27)
13:07:43.537324 IP 10.0.40.10.res > 10.0.20.10.domain: 42549+ A? yahoo.com. (27)
13:07:43.537759 IP 10.0.20.10.domain > 10.0.40.10.res: 42549- 0/13/0 (238)
13:07:43.537789 IP 208.109.188.2.domain > 10.0.40.10.32921: 42549- 0/13/0 (238)
13:07:43.537992 IP 10.0.40.10.32921 > 208.109.188.1.domain: 25734+ A? yahoo.com. (27)
13:07:43.538012 IP 10.0.40.10.32921 > 10.0.20.10.domain: 25734+ A? yahoo.com. (27)
13:07:43.538459 IP 10.0.20.10.domain > 10.0.40.10.32921: 25734- 0/13/0 (238)
13:07:43.538488 IP 208.109.188.1.domain > 10.0.40.10.32921: 25734- 0/13/0 (238)
13:07:43.538641 IP 10.0.40.10.32921 > 208.109.188.2.domain: 25734+ A? yahoo.com. (27)
13:07:43.538661 IP 10.0.40.10.res > 10.0.20.10.domain: 25734+ A? yahoo.com. (27)
13:07:43.539097 IP 10.0.20.10.domain > 10.0.40.10.res: 25734- 0/13/0 (238)
13:07:43.539126 IP 208.109.188.2.domain > 10.0.40.10.32921: 25734- 0/13/0 (238)
13:07:43.539288 IP 10.0.40.10.32921 > 208.109.188.1.domain: 25734+ A? yahoo.com. (27)
13:07:43.539306 IP 10.0.40.10.32921 > 10.0.20.10.domain: 25734+ A? yahoo.com. (27)
13:07:43.539732 IP 10.0.20.10.domain > 10.0.40.10.32921: 25734- 0/13/0 (238)
13:07:43.539767 IP 208.109.188.1.domain > 10.0.40.10.32921: 25734- 0/13/0 (238)
13:07:43.539926 IP 10.0.40.10.32921 > 208.109.188.2.domain: 25734+ A? yahoo.com. (27)
13:07:43.539945 IP 10.0.40.10.res > 10.0.20.10.domain: 25734+ A? yahoo.com. (27)
13:07:43.540381 IP 10.0.20.10.domain > 10.0.40.10.res: 25734- 0/13/0 (238)
13:07:43.540410 IP 208.109.188.2.domain > 10.0.40.10.32921: 25734- 0/13/0 (238)
```

(208.109.188.1 and 208.109.188.2 are my nameservers)

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