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Subject: \*SOLVED\* internet access from VM  
Posted by [Thomasd](#) on Thu, 17 Jan 2008 01:43:26 GMT  
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let's ping yahoo:

(from the hn)

```
# ping 216.109.112.135
PING 216.109.112.135 (216.109.112.135) 56(84) bytes of data.
64 bytes from 216.109.112.135: icmp_seq=1 ttl=49 time=80.5 ms
```

```
--- 216.109.112.135 ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 80.597/80.597/80.597/0.000 ms
```

```
# vzctl enter 8010
entered into VE 8010
```

```
# ping 216.109.112.135
PING 216.109.112.135 (216.109.112.135) 56(84) bytes of data.
```

```
--- 216.109.112.135 ping statistics ---
37 packets transmitted, 0 received, 100% packet loss, time 36004ms
```

```
]# ifconfig
```

```
lo      Link encap:Local Loopback
        inet addr:127.0.0.1  Mask:255.0.0.0
        inet6 addr: ::1/128 Scope:Host
        UP LOOPBACK RUNNING  MTU:16436  Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
        TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:0 (0.0 b)  TX bytes:0 (0.0 b)
```

```
venet0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        inet addr:127.0.0.1  P-t-P:127.0.0.1  Bcast:0.0.0.0  Mask:255.255.255.255
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
        TX packets:37 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:0 (0.0 b)  TX bytes:3108 (3.0 KiB)
```

```
venet0:0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
```

inet addr:10.0.80.10 P-t-P:10.0.80.10 Bcast:10.0.80.10 Mask:255.255.255.255  
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1

so, the VM can communicate back and forth with the HN, but not to the outside world.  
To serve web pages: I use the pound reverse proxy to determine the source domain (a.com, b.com, etc) and connect to the appropriate VM; this works perfectly, but I would also like the VM to be able to initiate connections to the outside world. How do I go about this (while keeping the original structure with the proxy)?

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Subject: Re: internet access from VM  
Posted by [maratrus](#) on Thu, 17 Jan 2008 17:26:15 GMT  
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Hi,

1. You can use 'tcpdump' (on HN and inside VE) to determine packets behavior?
2. Are you using private IP for your VE? Please look at this page  
[http://wiki.openvz.org/Using\\_NAT\\_for\\_VE\\_with\\_private\\_IPs](http://wiki.openvz.org/Using_NAT_for_VE_with_private_IPs)

Thank You!

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Subject: Re: internet access from VM  
Posted by [Thomasd](#) on Fri, 18 Jan 2008 00:26:18 GMT  
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it works! thanks.

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Subject: Re: \*SOLVED\* internet access from VM  
Posted by [joker2048](#) on Mon, 04 Feb 2008 23:05:53 GMT  
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Could you please explain how do you solved this problem?

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Subject: Re: \*SOLVED\* internet access from VM  
Posted by [Thomasd](#) on Tue, 05 Feb 2008 00:39:53 GMT  
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I followed the info at:  
[http://wiki.openvz.org/Using\\_NAT\\_for\\_VE\\_with\\_private\\_IPs](http://wiki.openvz.org/Using_NAT_for_VE_with_private_IPs)

In the end, it ended up being:

```
iptables -t nat -A POSTROUTING -s <my VM's ip> -o eth0 -j SNAT --to <my outside ip>
```

then, the VMs are able to initiate connections to the outside.

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