
Subject: How to use a simple NAT ?

Posted by [nicolaaas](#) on Tue, 05 Apr 2011 15:44:30 GMT

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Hi,

I am trying to do a simple network using NAT.

My CT0 have a public IP and I want to share it with 3 VM, I have followed this :
wiki.openvz.org/Using_NAT_for_container_with_private_IPs

CT0 public IP : X.X.140.213

CTX Network : 192.168.0.0/24

I can ping my VM and I can access my VM using SSH through NAT but VM can't ping anything on the internet. I think this is a strange behavior.

Here is my sysctl :

```
net.ipv4.conf.default.forwarding = 1
net.ipv4.conf.default.proxy_arp = 0
net.ipv4.ip_forward = 1
net.ipv4.conf.all.rp_filter = 1
kernel.sysrq = 1
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0
```

Iptables on CT0 : (very unsecure for testing)

```
#!/bin/sh
iptables -t filter -F
iptables -t filter -X
iptables -t filter -P INPUT ACCEPT
iptables -t filter -P FORWARD ACCEPT
iptables -t filter -P OUTPUT ACCEPT
iptables -t nat -A POSTROUTING -s 192.168.0.0/24 -o eth0 -j SNAT --to X.X.140.213
iptables -A FORWARD -s 192.168.0.0/24 -j ACCEPT
iptables -A FORWARD -d 192.168.0.0/24 -j ACCEPT
iptables -A INPUT -i venet0 -j ACCEPT
```

SSH CT1 (port 2221)

```
iptables -t nat -I PREROUTING -p tcp -d X.X.140.213 --dport 2221 -j DNAT --to 192.168.0.1:22
iptables -I FORWARD -p tcp -d 192.168.0.1 --dport 2221
```

SSH CT2 (port 2222)

```
iptables -t nat -I PREROUTING -p tcp -d X.X.140.213 --dport 2222 -j DNAT --to 192.168.0.2:22
iptables -I FORWARD -p tcp -d 192.168.0.2 --dport 2221
```

By the way I set up CT using OpenVZ Web Panel.

What do I misunderstand ?

Thanks.
