Subject: *SOLVED* IP forwarding
Posted by jimq on Mon, 20 Nov 2006 13:37:40 GMT
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Hello all,

I am new to this forum, and to VZ.
My host node was setup with forzza-installer-1.4.2_i386.iso and has Ip 192.168.21.10 and name vm01.
I have created a VE whose IP is 10.0.1.1 and name is test110.
I have been trying to use IP forwarding to connect to the VE through ssh from the outside, using another port (50022), following the explanations provided on
http://wiki.openvz.org/Using_NAT_for_VE_with_private_IPs

All I can get is :

debian@debiandb1:~$ ssh root@192.168.21.10 -p 50022
ssh: connect to host 192.168.21.10 port 50022: Connection refused

while the connection to the host works:
debian@debiandb1:~$ ssh root@192.168.21.10 -p 22
Password:
Last login: Sat Nov 18 21:43:41 2006 from 192.168.21.110

****
vm01:/var# more /etc/network/options
ip_forward=yes
spoofprotect=yes
syncookies=no
****
vm01:/etc# iptables -t nat -L
Chain PREROUTING (policy ACCEPT)
target prot opt source destination
DNAT tcp -- anywhere vm01 tcp dpt:50022 to:10.0.1.1:22

Chain POSTROUTING (policy ACCEPT)
target prot opt source destination
SNAT all -- test110 anywhere to:192.168.21.10

Chain OUTPUT (policy ACCEPT)
target prot opt source destination

If somebody can tell me what is wrong or missing, I would greatly appreciate.
Thanks in advance

Jim

Subject: Re: IP forwarding
Posted by dim on Mon, 20 Nov 2006 15:47:45 GMT
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1) Which kernel do you use?
2) cat /etc/modprobe.conf

Subject: Re: IP forwarding
Posted by jimq on Mon, 20 Nov 2006 16:34:38 GMT
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vm01:/var/log# uname -a
Linux vm01 2.6.8-mod-stable-ovz #1 Thu Aug 31 15:30:55 CEST 2006 i686 GNU/Linux
vm01:/var/log# cat /etc/modprobe.conf
cat: /etc/modprobe.conf: No such file or directory
vm01:/var/log#

Subject: Re: IP forwarding
Posted by dim on Mon, 20 Nov 2006 16:40:45 GMT
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You need to load ip_conntrack module with ip_conntrack_enable_ve0=1 option. Something like this:

/sbin/modprobe ip_conntrack "ip_conntrack_enable_ve0=1"

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Posted by jimq on Mon, 20 Nov 2006 17:45:53 GMT
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This does not change the outcome.

Additionnal info I collected -if it can help.
(May be something very basic is wrong here)

my HN is a virtual machine using VMWare.
This is why is has a 192.168.x.x IP address.

HN (vm01) is 192.168.21.10
VE (test110) is 10.0.1.1

I can successfully :

#######
ping VE from HN
ping HN from VE
ssh root@VE from HN
ssh root@HN from VE

IP forwarding seems enabled:
vm01:/etc# more sysctl.conf | grep forward
# packet forwarding enabled and proxy arp disabled
net.ipv4.ip_forward = 1

vm01:/etc/network# more options | grep forward
ip_forward=yes

And on the VE:
root@test110:/etc# more sysctl.conf | grep forward
Uncomment the next line to enable packet forwarding for IPv4
net/ipv4/ip_forward=1
Uncomment the next line to enable packet forwarding for IPv6
#net/ipv6/ip_forward=1

I can ping www.google.com from the VE

Other info
##########

On HN
vm01:/etc/network# ip a l
2: lo: <LOOPBACK,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
4: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:0c:29:b8:54:b7 brd ff:ff:ff:ff:ff:ff
    inet 192.168.21.10/24 brd 192.168.21.255 scope global eth0
1: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
    link/void

On VE
root@test110:/etc/network# ip a l
1: lo: <LOOPBACK,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
3: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
    link/void
    inet 127.0.0.1/32 scope host venet0
    inet 10.0.1.1/32 scope global venet0:0

Subject: Re: IP forwarding
Posted by dim on Wed, 22 Nov 2006 09:35:06 GMT
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Do you have /proc/net/ip_conntrack file at the HN?
If so, I need an access to your node in order to resolve issue.
Please, send credentials via PM.