
Subject: Re: IP forwarding

Posted by [jimq](#) on Mon, 20 Nov 2006 17:45:53 GMT

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This does not change the outcome.

Additional 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 it 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
```
