Subject: Routing problem
Posted by caluml on Fri, 07 May 2010 21:08:53 GMT
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Hello all,

I have two VMs (100, and 101) using venet networking.

They can ping each other fine. There are no iptables rules on the host, or in either VM. forwarding is enabled on all 3 as well.

One of the VMs (101) is running openvpn linking to a remote host. I can ping the remote host from the VM running openvpn.

I need to be able to communicate from the other VM (100 - 10.0.0.1) through VM 101 (10.1.1.101) to the remote host (10.0.80.14) .

I just can't make it do it.

I've tried it just leaving the default routing on the VMs
vm100 # ip route
192.0.2.1 dev venet0 scope link
default via 192.0.2.1 dev venet0

(with of course a route for the remote host on VM 101)
vm101 # ip route
192.0.2.1 dev venet0 scope link
 10.0.80.12/30 dev tapremote proto kernel scope link src 10.0.80.13
default via 192.0.2.1 dev venet0
vm101 # ping 10.0.80.14
PING 10.0.80.14 (10.0.80.14) 56(84) bytes of data.
64 bytes from 10.0.80.14: icmp_seq=1 ttl=64 time=212 ms
^C
--- 10.0.80.14 ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 212.179/212.179/212.179/0.000 ms

Running tcpdump -npi venet0 icmp on the host shows two entries per ping

22:00:41.844641 IP 10.1.1.1 > 10.0.80.14: ICMP echo request, id 40463, seq 6, length 64
22:00:41.844664 IP 192.168.2.100 > 10.1.1.1: ICMP redirect 10.0.80.14 to host 10.0.80.14, length 92
22:00:41.844670 IP 10.1.1.1 > 10.0.80.14: ICMP echo request, id 40463, seq 6, length 64

I've tried various things on the host - routing 10/8 via venet0, adding the address of 101 to the interface, and adding a route via that IP too.

I'm guessing from the redirect from the host that there's some proc entry that I haven't checked, although I've gone over what I can find on openvz.org.

Any ideas? Is this possible? Anyone else done it?