Subject: Host and Guest connected, but guest has no LAN access.
Posted by Zuiko on Wed, 13 Nov 2013 01:02:13 GMT

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Hi I've installed OpenVZ on a Scientific Linux 6.4 base. This itself is a guest running on Hyper-V.

The host system has full network connectivity with ipv4 and ipv6.

The host has an eth0 and a bridge br0 and the bridge is connected as above with ipv4 and 6 to LAN and Internet. It's address is 10.0.0.120

The guest on the other hand which has eth0 and IP 10.0.0.121 has network connection only to the host. I can ping the host but nothing on the LAN or the internet.

The host has a veth100.0 device on the functioning br0 bridge and this is as I understand it correct for a setup where you want host and guests on your own wider LAN.

I've disabled iptables on host and guest by service iptables stop. Still doesn't work so it doesn't seem like a firewall issue.

All my tools are the latest. What is the problem?

Tcpdump appears to see traffic on eth0 in the guest... Sample output:

root@proxysrv /]# tcpdump -i eth0
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
listening on eth0, link-type EN10MB (Ethernet), capture size 65535 bytes
02:26:34.999736 IP 10.0.0.4.bootpc > 255.255.255.255.bootps: BOOTP/DHCP, Request from
68:05:ca:01:f0:ef (oui Unknown), length 300
02:26:35.000007 IP 10.0.0.121.36835 > 10.0.0.4.domain: 6689+ PTR?
255.255.255.255.in-addr.arpa. (46)
02:26:35.196304 IP 10.0.0.3.45931 > 10.0.0.255.32412: UDP, length 21
02:26:35.196306 IP 10.0.0.3.37428 > 10.0.0.255.32414: UDP, length 21
02:26:35.656911 ARP, Request who-has 10.0.0.2 tell 10.0.0.88, length 46
02:26:36.554665 IP 10.0.0.42.mdns > 224.0.0.251.mdns: 0*- [0q] 1/0/0 TXT "model=N78AP" (72)
02:26:36.555148 IP6 fe80::c5c:f8b:5769:b446.mdns > ff02::fb.mdns: 0*- [0q] 1/0/0 TXT
"model=N78A
02:26:37.403763 IP 10.0.0.42.mdns > 224.0.0.251.mdns: 0*- [0q] 1/0/0 TXT "model=N78AP" (72)
02:26:37.413960 IP6 fe80::c5c:f8b:5769:b446.mdns > ff02::fb.mdns: 0*- [0q] 1/0/0 TXT
"model=N78A
02:26:37.617918 IP6 fe80::8a1f:a1ff:fe29:76ab.dhcpv6-client > ff02::1:2.dhcpv6-server: dhcp6
solicit
02:26:37.708637 ARP, Request who-has 10.0.0.2 tell 10.0.0.88, length 46
02:26:38.192764 ARP, Request who-has 10.0.0.72 tell 10.0.0.100, length 46
^C02:26:38.331287 IP6 fe80::de9f:dbff:fe80:70ab > ff02::1: ICMP6, router advertisement, length
56

13 packets captured

491 packets received by filter
448 packets dropped by kernel
[root@proxysrv /]#
[root@proxysrv /]# ip rule list
0:      from all lookup local
32766: from all lookup main
32767: from all lookup default
[root@proxysrv /]#

Seems like a lot of dropped packets but I know nothing about the tool apart from what I read in the sticky at the top.