Subject: veth bridge not forwarding virtual client sources
Posted by nubjub on Thu, 18 Mar 2010 17:07:15 GMT
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In short I've set up a container as a router, masquerading clients connected on internal br1 to external br0, when the client is a real computer everything works fine, but when the client is virtual the router is forwarding the packets to the veth in br0 but they are not forwarded to the physical iface.

Details:

```
bridge_name__bridge_id_____STP___interfaces
br0_____8000.00185173f3bd_____no_____eth0
_____veth131.0
br1_____8000.000fb588832d_____no_____eth1
_____veth131.1
_____veth201.1
```

in container router 131.conf:
NETIF="   ifname=eth0,bridge=br0,mac=00:18:51:83:CC:DF,host_ifname=vet
h131.0,host_mac=00:18:51:74:F3:BD;ifname=eth1,bridge=br1,mac
=00:18:51:EB:D9:CD,host_ifname=veth131.1,host_mac=00:18:51:0 B:A8:C1 "
CAPABILITY="NET_ADMIN:on "

131 ifconfig:
eth0   Link encap:Ethernet HWaddr 00:18:51:83:cc:df
          inet addr:216.99.207.218 Bcast:216.99.207.255 Mask:255.255.255.192
eth1   Link encap:Ethernet HWaddr 00:18:51:eb:d9:cd
          inet addr:10.0.0.6 Bcast:10.0.255.255 Mask:255.255.0.0

tcpdump:
from a computer connected to eth1:
veth131.0:
09:36:50.660471 00:18:51:83:cc:df > 00:10:67:00:41:d7, ethertype IPv4 (0x0800), length 98:
216.99.207.218 > 216.99.207.254: ICMP echo request, id 34369, seq 128, length 64
09:36:50.699939 00:10:67:00:41:d7 > 00:18:51:83:cc:df, ethertype IPv4 (0x0800), length 98:
216.99.207.254 > 216.99.207.218: ICMP echo reply, id 34369, seq 128, length 64
br0:
09:36:50.660471 00:18:51:83:cc:df > 00:10:67:00:41:d7, ethertype IPv4 (0x0800), length 98:
216.99.207.218 > 216.99.207.254: ICMP echo request, id 34369, seq 128, length 64
09:36:50.699939 00:10:67:00:41:d7 > 00:18:51:83:cc:df, ethertype IPv4 (0x0800), length 98:
216.99.207.254 > 216.99.207.218: ICMP echo reply, id 34369, seq 128, length 64
eth0:
09:36:50.660471 00:18:51:83:cc:df > 00:10:67:00:41:d7, ethertype IPv4 (0x0800), length 98:
216.99.207.218 > 216.99.207.254: ICMP echo request, id 34369, seq 128, length 64
09:36:50.699939 00:10:67:00:41:d7 > 00:18:51:83:cc:df, ethertype IPv4 (0x0800), length 98:
216.99.207.254 > 216.99.207.218: ICMP echo reply, id 34369, seq 128, length 64

From a container such as the one with veth201.1 in br1
tcpdump; requests looks the same from veth131.0:
10:16:55.790264 00:18:51:83:cc:df > 00:10:67:00:41:d7, ethertype IPv4 (0x0800), length 98:
216.99.207.218 > 216.99.207.254: ICMP echo request, id 55304, seq 1105, length 64
10:16:56.790323 00:18:51:83:cc:df > 00:10:67:00:41:d7, ethertype IPv4 (0x0800), length 98:
216.99.207.218 > 216.99.207.254: ICMP echo request, id 55304, seq 1106, length 64

but nothing on br0 or eth0

Apologies if this topic is already covered I'm not quite sure what I'm looking for.

Subject: Re: veth bridge not forwarding virtual client sources
Posted by nubjub on Fri, 19 Mar 2010 20:43:21 GMT
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I upgraded to kernel 2.6.32 this morning to get new wireless drivers. I'm not sure what else has
changed yet but whatever was causing this behavior is fixed now. If i find it in the near future I'll
post on it. But consider this one closed.