
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=veth131.0,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=00:18:51:0B: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.
