Subject: Routing blues
Posted by laotse on Sun, 14 Dec 2008 22:22:53 GMT
View Forum Message <> Reply to Message

Well, probably I'm simply missing something and it's not related to OpenVZ ...

I try to set-up a container, which will hold the end-points for my VPNs, but currently I'm still stuck at basic connectivity, i.e. no VPN in place so far.

The problem is to ping eth3 attached to the container from the node. I can ping eth3 = 172.16.2.1 from the container=172.16.6.7, and I can ping the container from the node 172.16.1.66 and vice versa. I can also ping the WLAN router on the 172.16.2.0 network from the container. But ping 172.16.2.1 from the node fails.

I used route add -net 172.16.2.0/24 gw 172.16.6.7 venet0 for announcing the target network to the node.

There is a basic iptables firewall on the node, but as yet it does only filter for ppp0 and other interfaces. In particular, it does not filter for any LAN addresses. And of course ipv4 forwarding is enabled.

Thanks for any ideas,
 - lars

Container:

```
dergon:/# ifconfig
eth3      Link encap:Ethernet  HWaddr 00:1e:58:df:a4:4a
          inet addr:172.16.2.1  Bcast:172.16.2.255  Mask:255.255.255.0
          inet6 addr: fe80::21e:58ff:fedf:a44a/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:366 errors:0 dropped:0 overruns:0 frame:0
          TX packets:12 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:120254 (117.4 KiB)  TX bytes:980 (980.0 B)
          Interrupt:17 Base address:0xe800

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:4 errors:0 dropped:0 overruns:0 frame:0
          TX packets:4 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:336 (336.0 B)  TX bytes:336 (336.0 B)

venet0    Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
          inet addr:127.0.0.1  P-t-P:127.0.0.1  Bcast:0.0.0.0  Mask:255.255.255.255
```

```
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
        RX packets:342 errors:0 dropped:0 overruns:0 frame:0
        TX packets:503 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:440975 (430.6 KiB)  TX bytes:122500 (119.6 KiB)

venet0:0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        inet addr:172.16.6.7  P-t-P:172.16.6.7  Bcast:0.0.0.0  Mask:255.255.255.255
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1

dergon:/# cat /proc/sys/net/ipv4/ip_forward
1
dergon:/# route -n
Kernel IP routing table
Destination     Gateway         Genmask         Flags Metric Ref    Use Iface
192.0.2.1       0.0.0.0         255.255.255.255 UH    0      0        0 venet0
172.16.2.0      0.0.0.0         255.255.255.0   U     0      0        0 eth3
0.0.0.0         192.0.2.1       0.0.0.0         UG    0      0        0 venet0


Node:

asgard:~# route -n
Kernel-IP-Routentabelle
Ziel            Router          Genmask         Flags Metric Ref    Use Iface
172.16.6.4      0.0.0.0         255.255.255.255 UH    0      0        0 venet0
172.16.6.7      0.0.0.0         255.255.255.255 UH    0      0        0 venet0
217.0.118.101   0.0.0.0         255.255.255.255 UH    0      0        0 ppp0
172.16.6.1      0.0.0.0         255.255.255.255 UH    0      0        0 venet0
172.16.6.2      0.0.0.0         255.255.255.255 UH    0      0        0 venet0
172.16.6.3      0.0.0.0         255.255.255.255 UH    0      0        0 venet0
172.16.2.0      172.16.6.7      255.255.255.0   UG    0      0        0 venet0
172.16.1.0      0.0.0.0         255.255.255.0   U     0      0        0 eth0
0.0.0.0         0.0.0.0         0.0.0.0         U     0      0        0 ppp0
```