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Subject: Re: Running DHCP on VPS, ( on a router.. )  
Posted by [ml-openvz-eyck](#) on Fri, 28 Sep 2007 13:26:04 GMT  
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> > HN: tcpdump -n -i eth0.107  
> is it veth pair interface, right? ok...  
I might not exactly follow the term 'veth pair interface', but eth0.107  
and veth are joined together by a bridge:

```
br107      8000.0018511cf71d    no      eth0.107
              veth107.0
```

> and is 192.168.8.254 assigned to veth inside VE?  
192.168.8.251 is assigned to veth, .254 is a ucarp-managed IP and it's  
assigned to br107.

> > 08:16:19.401880 00:1b:d4:7e:76:2a > 01:00:0c:cc:cc:cd SNAP Unnumbered, ui, Flags  
[Command], length 50  
> > 08:16:21.154240 IP 0.0.0.0.68 > 255.255.255.255.67: BOOTP/DHCP, Request from  
00:1b:d5:2c:bf:38, length 308  
> > 08:16:21.185096 IP 192.168.8.254.67 > 255.255.255.255.68: BOOTP/DHCP, Reply, length  
300  
> > 08:16:21.187344 arp who-has 192.168.9.254 tell 192.168.9.97  
> >  
> >  
> > HN: tcpdump -n -i br107  
> > 08:16:19.401880 00:1b:d4:7e:76:2a > 01:00:0c:cc:cc:cd SNAP Unnumbered, ui, Flags  
[Command], length 50  
> > 08:16:21.154240 IP 0.0.0.0.68 > 255.255.255.255.67: BOOTP/DHCP, Request from  
00:1b:d5:2c:bf:38, length 308  
> > 08:16:21.185096 IP 192.168.8.254.67 > 255.255.255.255.68: BOOTP/DHCP, Reply, length  
300  
> > 08:16:21.187344 arp who-has 192.168.9.254 tell 192.168.9.97  
> >  
> > and finally, from inside the vps:  
> > VPS: tcpdump -n -i eth0  
> > 08:16:19.401886 00:1b:d4:7e:76:2a > 01:00:0c:cc:cc:cd SNAP Unnumbered, ui, Flags  
[Command], length 50  
> > 08:16:21.185110 IP 192.168.8.254.67 > 255.255.255.255.68: BOOTP/DHCP, Reply, length  
300  
> > 08:16:21.187356 arp who-has 192.168.9.254 tell 192.168.9.97  
> > 08:16:21.188600 arp who-has 192.168.8.1 tell 192.168.9.97  
>  
> I wonder why timestamp of Reply here is greater then timestamp in HN...  
yes, it looks strange, especially since the next packet - arp req, has  
similarly delayed timestamp, like something in veth delayed packets after  
dhcp req/reply sequence.  
This delay is visible here: .401880 on bridge and eth0.107, but .401886

from veth. But this .000006 grows to .000014 and then shrinks to .000012 after missing the packet.

> to DHCP requests and you see the reply only. Can you please check (if it is true - shutting down > dhcp server inside VE won't affect tcpdump output)?

This is true, but why do some packets visible on bridge and physical interface disappear on veth? When I disable the other dhcp server there is no reply at all. dhcpd doesn't see the packet.

> > as you can see, broadcast request from dhcp client is missing, but strangely enough, the reply

> > is clearly visible.

> Or it works, but only tcpdump is missing the packet?

That would be possible, but still puzzling, and that wouldn't explain why both tcpdump and dhcpd are missing the packet.

Besides, this machine is very lightly loaded at the moment, and the traffic at hand is also abysmally small, not to mention that this happens quite regularly, almost all dhcp requests get lost and never arrive to my dhcpd.

thanks, Eyck

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Key fingerprint = 40D0 9FFB 9939 7320 8294 05E0 BCC7 02C4 75CC 50D9

Total Existence Failure

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