Subject: Re: Running DHCP on VPS, (on a router..)
Posted by dev on Fri, 28 Sep 2007 12:49:32 GMT

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Dariush Pietrzak wrote:
>>DHCP server should work fine with veth bridged to host eth0 interface.
>>Can you reproduce your issue when server doesn't reply?
>
> it looks like this:
>
> HN: tcpdump -n -i eth0.107

is it veth pair interface, right? ok...
and is 192.168.8.254 assigned to veth inside VE?

> 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...
Maybe... it was reply from someone else? This would make things logical - someone replies
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)?

> 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?

> I also tried doing something like this to verify the software inside VPS: I chroot to
..../vz/private/107/
> and then launch the dhcpd against br107, and then it works as expected.

Thanks,
Kirill