Subject: Re: [SOLVED] 2nd interface loses packets on using veth
Posted by Julian Yap on Thu, 15 Mar 2007 23:37:23 GMT
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Hi guys.

I moved back to using Venet since from the VE 'ping -I 10.100.225.106 10.100.225.1' worked for me. I figured maybe it was an ARP issue and could be sorted out with the "Multiple Network Interfaces And ARP Flux" wiki page instructions. No luck when I tried that.

I took another look in the forums and found my solution.

Running something like this from my VE works beautifully:
ip route add 10.100.225.0/24 dev venet0 src 10.100.225.106

Everything I've read so far suggests using Veth or Source based routing. Both of which didn't work for me.

- Julian

On 3/15/07, Julian Yap <julianokyap@gmail.com> wrote:
> Thanks.
>
> HOST: ip a ls
>
> 2: lo: <LOOPBACK,UP,10000> mtu 16436 qdisc noqueue
> link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
> inet 127.0.0.1/8 scope host lo
> inet6 ::1/128 scope host
> valid_lft forever preferred_lft forever
> 4: sit0: <NOARP> mtu 1480 qdisc noop
> link/sit 0.0.0.0 brd 0.0.0.0
> 6: eth0: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc pfifo_fast qlen 1000
> link/ether 00:18:8b:77:f2:01 brd ff:ff:ff:ff:ff:ff
> inet 192.168.100.247/24 brd 192.168.100.255 scope global eth0
> inet6 fe80::218:8bff:fe77:f201/64 scope link
> valid_lft forever preferred_lft forever
> 8: eth1: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc pfifo_fast qlen 1000
> link/ether 00:18:8b:77:f2:02 brd ff:ff:ff:ff:ff:ff
> inet 10.100.225.247/24 brd 10.100.225.255 scope global eth1
> inet6 fe80::218:8bff:fe77:f202/64 scope link
> valid_lft forever preferred_lft forever
> 1: venet0: <BROADCAST,POINTOPOINT,NOARP> mtu 1500 qdisc noqueue
> link/void
> 3: veth101.0: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc noqueue
> link/ether 00:16:3e:23:d5:dd brd ff:ff:ff:ff:ff:ff
> inet6 fe80::216:3eff:fe23:d5dd/64 scope link

>   valid_lft forever preferred_lft forever
> 5: veth101.1: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc noqueue
>   link/ether 00:16:3e:7e:a5:2e brd ff:ff:ff:ff:ff:ff
>   inet6 fe80::216:3eff:fe7e:a52e/64 scope link
>   valid_lft forever preferred_lft forever
>
> HOST: ip r ls
>
> 10.100.225.106 dev veth101.1 scope link
> 192.168.100.106 dev veth101.0 scope link
> 192.168.100.0/24 dev eth0 proto kernel scope link src 192.168.100.247
> 10.100.225.0/24 dev eth1 proto kernel scope link src 10.100.225.247
> 169.254.0.0/16 dev eth1 scope link
> default via 192.168.100.1 dev eth0
>
> VE: ip a ls
>
> 1: lo: <LOOPBACK,UP,10000> mtu 16436 qdisc noqueue
>   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
>   inet 127.0.0.1/8 scope host lo
>   inet6 ::1/128 scope host
>   valid_lft forever preferred_lft forever
> 3: venet0: <BROADCAST,POINTOPOINT,NOARP> mtu 1500 qdisc noqueue
>   link/void
> 5: eth0: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc noqueue
>   link/ether 00:16:3e:69:ce:df brd ff:ff:ff:ff:ff:ff
>   inet 192.168.100.106/32 scope global eth0
>   inet6 fe80::216:3eff:fe69:cedf/64 scope link
>   valid_lft forever preferred_lft forever
> 7: eth1: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc noqueue
>   link/ether 00:16:3e:1d:0d:54 brd ff:ff:ff:ff:ff:ff
>   inet 10.100.225.106/32 scope global eth1
>   inet6 fe80::216:3eff:fe1d:d54/64 scope link
>   valid_lft forever preferred_lft forever
>
> VE: ip r ls
>
> 192.168.100.0/24 dev eth0 scope link
> 10.100.225.0/24 dev eth1 scope link
> default dev eth0 scope link
>
> On 3/14/07, Andrey Mirkin <major@openvz.org> wrote:
> > Hello,
> >
> > Please provide ip configuration (ip a ls) and route tables (ip r ls) for host
> > system and VE.
> >
> > Regards,

> > Andrey
> >
> > On Thursday 15 March 2007 06:16 Julian Yap wrote:
> > > Kind of related to my previous posting.
> > >
> > > I've now setup my 2 VE interfaces using veth method.
> > >
> > > No longer using Source based routing, I've set up my default route to
> > > be 192.168.0.1.
> > >
> > > Pinging on the 192.168.0.x subnet is perfect from the VE.
> > >
> > > Pinging on my VE's 2nd interface (eth1) works OK in burst but at times
> > > just drops packets.
> > >
> > > Running a tcpdump, I see a log of these messages:
> > > 17:10:29.813495 arp who-has machine15 tell 192.168.1.247
> > >
> > > When it does work OK, it's because it's returned this:
> > > 17:14:35.829082 arp who-has machine15 tell 192.168.100.247
> > > 17:14:36.828053 arp who-has machine13 tell machine15
> > > ...
> > > 17:14:36.828082 arp reply machine13 is-at 00:16:3e:7e:a5:2e
> > >
> > > Any clues why it arp's so much?
> > >
> > > - Julian
