Subject: Re: NATed GRE packets does not reach VETH (NAT,GRE,VETH)
Posted by a1bert on Sun, 02 Nov 2008 18:54:02 GMT

maratrus wrote on Fri, 31 October 2008 11:07
- are we talking about VE? Are previous outputs from inside the VE?

yes, it's all from inside VE

maratrus wrote on Fri, 31 October 2008 11:07
- could you please show "ip a l" from inside the VE and also "ip rule list".

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
2: venet0: <BROADCAST,POINTOPOINT,NOARP> mtu 1500 qdisc noop
    link/void
3: eth0: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc noqueue
    link/ether 00:19:51:32:02:01 brd ff:ff:ff:ff:ff:ff
    inet 10.24.127.8/24 brd 10.24.127.255 scope global eth0
    inet 2.2.2.2/27 scope global eth0
    inet6 fe80::219:51ff:fe32:201/64 scope link
      valid_lft forever preferred_lft forever

2.2.2.2 is on different A network than 1.1.1.1

there is no special source routing:

ip ru
0:      from all lookup 255
32766: from all lookup main
32767: from all lookup default

Quote:
- I don't quite understand the following thing: have you masked ip address "1.1.1.1" that are
shown in tcpdump ouput. Should your VE forward that packets?

yes real addres is masked as 1.1.1.1 and is routable , everything works except proto 47 (GRE)
packets. NATed ip is trying to establish pptp connection with 1.1.1.1, tcp handshake (port 1723) is
succesfully established but not GRE ...

Quote:
- why do you need "-A POSTROUTING -s 10.24.127.8 -o eth0 -j RETURN " rule?

to not to NAT locally originating packets (10.24.127.8 is bind on eth0 interface)

Quote:
- could you please show "ip r get "1.1.1.1""

ip ro get 1.1.1.1
1.1.1.1 via 10.24.127.1 dev eth0 src 10.24.127.8
    cache mtu 1500 advmss 1460 hoplimit 64

As I said above 1.1.1.1 is routable , everything (UDP,TCP,ICMP) works except GRE

Quote:
- could you please also run tcpdump on lo interface

I have tried also lo, no GRE packets enters lo interface, GRE packets just disapear , that is why I have created this thread