Hi, thank you for your help.

1) With veth (proxy_arp enabled) and venet :
a) I am inside the VE, I ping any host (not a VE) on the network, the delay happens.
b) I am on any host, I ping any VE, the delay happens.

If I try after another ping, the delay doesn't happen.

2) There is no difference beetween ping toto and ping 192.168.1.1 : the delay happens, i don't think this is a problem of DNS.

3) The /etc/resolv.conf is the same on the HN and the VE.
For example :
nameserver 192.168.1.20

IP of the VE : 192.168.1.1
IP of the HN : 192.168.1.10

I try two solutions with veth :
- with proxy_arp enabled (I follow this tutorial :
http://wiki.openvz.org/Virtual_Ethernet_device#Simple_config
uration_with_virtual_Ethernet_device). The delay happens.
- with bridge (i bridge eth0 from the host with veth101.0 in a br0) and without proxy_arp, the delays doesn't happen.

So does the problem come from the proxy_arp ?