Subject: IPv6 - arp problem
Posted by jonasb on Thu, 15 Jan 2009 13:18:31 GMT
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Hello,

I think I have ARP problem with IPv6.
IPv6 is working on HN.
VE can ping HN.
VE can not ping gateway of HN.

Container:

```
VE:~# route -6
Kernel IPv6 routing table
Destination                 Next Hop                Flag Met Ref Use If
2000::/3                    ::                      U    1024 0     0 venet0
fe80::/64                   ::                      U    256 0     0 venet0
::/0                        ::                      !n   -1  1 14214 lo
::1/128                     ::                      Un   0   1     4 lo
::1/128                     ::                      Un   0   1     0 lo
2001:XXX:1::c8/128          ::                      Un   0   1   209 lo
ff00::/8                    ::                      U    256 0     0 venet0
::/0                        ::                      !n   -1  1 14214 lo
```

I cant ping gateway of HN:

```
VE:~# ping6 2001:XXX:1::1
PING 2001:XXX:1::1(2001:XXX:1::1) 56 data bytes

--- 2001:XXX:1::1 ping statistics ---
166 packets transmitted, 0 received, 100% packet loss, time 165020ms
```

With tcpdump I can see that the router asking for ip of VE, 2001:XXX:1::c8

```
14:15:28.515495 IP6 2001:XXX:1::c8 > 2001:XXX:1::1: ICMP6, echo request, seq 1, length 64
14:15:28.516387 IP6 2001:XXX:1::1 > ff02::1:ff00:c8: ICMP6, neighbor solicitation, who has
2001:XXX:1::c8, length 32
14:15:29.515277 IP6 2001:XXX:1::c8 > 2001:XXX:1::1: ICMP6, echo request, seq 2, length 64
14:15:29.516413 IP6 2001:XXX:1::1 > ff02::1:ff00:c8: ICMP6, neighbor solicitation, who has
2001:XXX:1::c8, length 32
```

Im running CentOS with kernel 2.6.18-92.1.13.el5.028stab059.6.

Any ideas whats wrong?