
Subject: AW: AW: Veth mac generation

Posted by [dietmar](#) on Fri, 13 Jun 2008 06:52:34 GMT

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- > Do I understand correctly that you actually experience the
- > following problem:
- > 1. veth MAC address is lower then your ethX MAC.
- > 2. so brX is assigned min(vethX-MAC, ethX-MAC) which is vethX-MAC.
- > 3. and what is the your problem with that? that host system
- > MAC changes dynamically and networking breaks or what?

The host gets unreachable for about 20 seconds (because ARP mappings are wrong now)

- > I just can't see how fully random 6 bytes MAC can help.
- > Because sometimes it will be "low" enough as well and you
- > will hit the problem anyway.

Well one idea was to assign macs starting with 'fe' - but ist not a good idea anyways.

- > If I got your problem right then I can advise you a possible
- > solution - in RHEL5 kernel we have a functionality called
- > "via_phys_dev" (triggered by BRCTL_SET_VIA_ORIG_DEV ioctl).
- > This forces kernel to work with original interface ethX
- > (first added to bridge) and pass the traffic to it. This
- > allows to add ethX to bridge w/o need to propogate it's
- > netfilter rules and other settings to brX.

Interesting - thanks for that hint.

- Dietmar
