
Subject: Re: IPv6 with venet
Posted by [Jan Tomasek](#) on Tue, 10 Jul 2007 07:40:11 GMT
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Vitaliy Gusev wrote:

> Please check /proc/sys/net/ipv6/conf/all/forwarding

It is disabled:

```
staj-dev:~# for f in /proc/sys/net/ipv6/conf/*/forwarding; do echo $f;
cat $f; done
/proc/sys/net/ipv6/conf/all/forwarding
0
/proc/sys/net/ipv6/conf/default/forwarding
0
/proc/sys/net/ipv6/conf/eth0/forwarding
0
/proc/sys/net/ipv6/conf/lo/forwarding
0
/proc/sys/net/ipv6/conf/venet0/forwarding
0
```

Problem is that when I do:

```
echo "1" > /proc/sys/net/ipv6/conf/all/forwarding
```

HW node stops responding on IPv6 ping, reason probably is that setting that removes default GW:

```
staj-dev:~# route -6
Kernel IPv6 routing table
Destination                Next Hop
  Flags Metric Ref    Use Iface
::1/128
  U    0    13    1 lo
2001:718:1:e::/128
  U    0    0    2 lo
2001:718:1:e::23:3004/128
  U    0   266    1 lo
2001:718:1:e::/64
  U   256   217    0 eth0
fe80::/128
  U    0    0    2 lo
fe80::1/128
  U    0    0    1 lo
fe80::213:72ff:fe1b:b97/128
  U    0    8    1 lo
fe80::/64
```

```

        U    256    0    0 eth0
fe80::/64      ::
        U    256    0    0 venet0
ff02::1/128    ff02::1
        UC    0    229    0 eth0
ff00::/8      ::
        U    256    0    0 eth0
ff00::/8      ::
        U    256    0    0 venet0

```

When I set GW manually it start work and it works also for VE. GREAT!

Well and now. Why setting forwarding=1 removes GW? Is there any way how to add it there automaticaly without my attention? I'm afraid that GW IP fe80::215:faff:fe87:3100 is somehow related to router MAC and that it will change when router become replaced. Any sugestion on this?

Thanks a lot!

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