
Subject: Re: IPv6 again but this time with veth
Posted by [Jan Tomasek](#) on Thu, 28 Jun 2007 18:44:48 GMT
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Vitaliy Gusev wrote:

> Well, can you draw interaction scheme of the all hosts and describe final goal that you expect?

I need IPv4 and IPv6 support in VE.

Host node have IPv4=195.113.233.4, IPv6=2001:718:1:e::23:3004/64. That is working ok.

VE 233012 is supposed to have IPv4=195.113.233.12, IPv6=2001:718:1:e::23:3012/64.

Gateway for IPv4 is 195.113.233.1 and for IPv6 it somehow works without GW. Config from host node:

```
> auto eth0
> iface eth0 inet static
>     address 195.113.233.4
>     netmask 255.255.255.0
>     network 195.113.233.0
>     broadcast 195.113.233.255
>     gateway 195.113.233.1
>     dns-servers 195.113.144.233 195.113.144.194
>     dns-search cesnet.cz
>
> iface eth0 inet6 static
>     post-up /sbin/sysctl -w "net.ipv6.conf.eth0.autoconf=0"
>     address 2001:718:1:e::23:3004
>     netmask 64
```

I've no idea how to draw that. Task is simple: Get IPv6 support inside VE 233012.

I would prefer venet interface, but that doesn't work. See thread:
http://forum.openvz.org/index.php?t=msg&goto=12809&&srch=IPv6#msg_12809

So I'm trying experiment with veth.

> I want to make a note that veth device is usually used with a bridge.

Ok. I will use anything which will make it to work. I tried to restart staj-dev to get clean environment and typed:

```
staj-dev:~# brctl addbr vzbr0
```

```
staj-dev:~# brctl addif vzbr0 veth012.0
staj-dev:~# echo 1 > /proc/sys/net/ipv4/conf/vzbr0/forwarding
staj-dev:~# echo 1 > /proc/sys/net/ipv4/conf/vzbr0/proxy_arp
staj-dev:~# ip route add 195.113.233.12 dev vzbr0
staj-dev:~# echo 1 > /proc/sys/net/ipv4/conf/eth0/forwarding
staj-dev:~# echo 1 > /proc/sys/net/ipv4/conf/eth0/proxy_arp
staj-dev:~# ip route add 2001:718:1:e::23:3012/64 dev vzbr0
staj-dev:~# ip route add 2001:718:1:e::23:3012 dev vzbr0
staj-dev:~# echo 1 > /proc/sys/net/ipv6/conf/eth0/forwarding
staj-dev:~# echo 1 > /proc/sys/net/ipv6/conf/vzbr0/forwarding
```

IPv4 is working fine. But IPv6 still not. :(

Thank you for your help so far.

Do you have any other suggestions?

--

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