
Subject: IPv6 ??

Posted by [Benoit Branciard](#) on Thu, 24 Jan 2008 17:29:03 GMT

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Temporarily giving up messing with veth devices (forgot dhcpd server for now), I concentrated on setting up a basic VS with both IPv4 and IPv6 addresses, using standard venet device.

I'm using Debian Etch hardware node with debian.systs.org packages.

So I did:

- install packages and reboot as necessary :

`fzakernel-2.6.18-686 vzctl vzctl-ostmpl-debian vldump vzprocps vzquota`

- ensure `/etc/sysctl.conf` contains :

```
net.ipv4.conf.default.forwarding = 1
net.ipv4.conf.all.rp_filter = 1
kernel.sysrq = 1
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0
```

- ensure `/etc/vz/vz.conf` contains:

`IPV6="yes"`

- create VS :

```
vzctl create 112 --ipadd XXX.YYY.ZZZ.12 --ipadd xxx:yyy:zzz::12
--hostname brahma-vps112
```

(default template is `debian-4.0-i386-minimal`, hardware node has only one physical interface activated, on the same subnet as VS)

- start VS :

`vzctl start 112`

Result:

- IPv4 VS works as expected (ping succeeds from hardware node, external server in same subnet, external server on another subnet).

- IPv6 VS doesn't work !!! (ping6 works **only** between VS and hardware node, not from external sources; VS has IPv6 address correctly defined, as per `ifconfig`).

Am I missing something ?

I suspected it may be useful to set sysctl
net.ipv6.conf.<iface>.forwarding to 1, but :
- this turns the box in "router" mode, disabling RA acceptance from
default router (annoying)
- this doesn't work either !!

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