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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 dhcpcd 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 vzdump 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:zzzz::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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