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Subject: VServers in three different networks: veth, venet or mixture?

Posted by [divB](#) on Wed, 08 Apr 2009 14:13:32 GMT

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Hi,

I am going to virtualize servers which are in three different networks and - if possible - should not be able to communicate with each other (if I do not allow it explicitly).

In the server there is an Intel E1000 with three VLANs: vlan2 (private network), vlan3 (public network with public IP addresses (/29-network) ), vlan4 (semipublic network with RF1918 addresses). The VServer itself should only be connected to the vlan2 network, so it's the single device having an IP address. This is the Debian network configuration on the host:

```
auto lo vlan2 vlan3 vlan4
```

```
iface lo inet loopback
```

```
# private, LAN (192.168.200.0/24)
```

```
iface vlan2 inet static
```

```
    vlan-raw-device eth0
```

```
    address 192.168.200.1
```

```
    netmask 255.255.255.0
```

```
    gateway 192.168.200.120
```

```
# public
```

```
iface vlan3 inet manual
```

```
    vlan-raw-device eth0
```

```
    up ip link set vlan3 up
```

```
    down ip link set vlan3 down
```

```
# semi-public (192.168.0.0/24)
```

```
iface vlan4 inet manual
```

```
    vlan-raw-device eth0
```

```
    up ip link set vlan4 up
```

```
    down ip link set vlan4 down
```

So what's the best way to use OpenVZs network?

My thought would be: Forget about venet (switch it off completely if possible) and just use veth in each VServer.

On the host bridge all private VServers with vlan2, all public VServers with vlan3 and all semi-public VServers with vlan4.

Is this a good or a bad idea? Any hints or tips left?

Thank you,  
divB