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Subject: Confused with network interfaces...

Posted by [Simson](#) on Fri, 14 Jun 2013 18:50:57 GMT

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Hi OpenVZ-community,

I have problem with understanding network-interfaces and routing in openvz-container. Maybe someone could help me...

First of all, I do not know anything about openvz, I just have one VPS which happen to be openvz-container, so please be patient with me. My problem is, "ifconfig" says I have 3 network interfaces (while I think I should have only 2):

```
lo 127.0.0.1
venet0 127.0.0.1
venet0:1 my.real.public.ip
```

There is apparently a lot of traffic (nearly all) going through "venet0", but I do not know where to use it in my iptables-rules. But it has the same IP as loopback-interface.

Normally, for loopback traffic I would use:

```
iptables -A INPUT -p all -i lo -j ACCEPT
```

Is this correct? Or should I use:

```
iptables -A INPUT -p all -i venet0 -j ACCEPT
```

Or both "lo" and "venet0" for loopback-traffic rules?

And what about non-local traffic, which interface is it passing through? Normally I would use:

```
iptables -A INPUT -p all -i eth0 ...
```

Which interface should I use now? venet0 or venet0:1?

And what about the third network-interface? Do I have to include it in iptables-rules too? What kind of traffic is going through it, local (like loopback/lo) or non-local (like eth0)?

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