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Subject: Running VEs on a Strato Hostsystem with natted public->private ip-addresses

Posted by [BAzfH](#) on Tue, 16 Jan 2007 16:50:29 GMT

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Hi,

i am having a problem I am stuck on with Openvz. First of all some pre-information that i find to be useful:

Host OS: Debian Etch (4.0 / testing)

Host Kernel: 2.6.18-1-openvz (patched with kernel-patch-openvz from debian/testing archive)

Host Interfaces:

eth0: X.X.X.X (public address)

eth0:0: Y.Y.Y.Y (public address)

The setup I desire is to have is: a VE inside openvz running Debian Etch, serving some services which are to be available on the eth0:0's ip-address. This should be achieved by doing some SNAT for outgoing traffic and some DNAT for incoming traffic on some specific ports. Therefore i thin venet is the best choice for me, also because i maybe would like to switch to have more then one VE, each providing \*one\* specific service.

So what i do is:

1. Create a VE with an private ip-address (tried IP-Addresses in all of the three possible classes)
2. Add iptables-rules on the host system according to this documentation:

[http://wiki.openvz.org/Using\\_NAT\\_for\\_VE\\_with\\_private\\_IPs](http://wiki.openvz.org/Using_NAT_for_VE_with_private_IPs)

That does result in such messages when starting an VE:

```
arp send: 10.0.0.101 is detected on another computer : 00:00:5e:00:01:02
```

Also network is \*not\* working. Inside of the VE i can do ICMP-flood other systems and getting replies, but i cannot do something more like e.g. connecting systems. It is not a DNS problem, cause I've checked that by connecting a specific service by its ip and port. I heard there may be a future enabled on the HSP switch for security concerns that is answering the arp send request which results in the above error message. But i quiet don't understand why this switch does get info about my internal ip address? Isn't it possible to configure it so, that only the host system is able to "see" these addresses? Switch does not need to, or am I wrong?

So what i want to know is: Is my approach right? Do i miss something? If you need more input to help me, feel free to ask for it. Did anyone setup openvz on a strato server who knows whats specific with Strato Servers who can guide me a bit?

Thanks in advance

Best Regards

Patrick / BAzfH

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