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Subject: 2 interfaces local network routing issue possible bug?

Posted by [QuantumNet](#) on Fri, 27 Jul 2007 05:09:31 GMT

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Okay I have racked my head against the wall for hours... softlayer network engineers dont know enough about OpenVZ for this one so hopefully someone from here has gone through this already.

server has the typical softlayer interfaces eth0 and eth1

Openvz is installed and functioning (venet)

problem is the VPS' can communicate with the local interface even if they dont have a local IP assigned to them.

so lets say my eth0 IP was 10.21.1.3

and I assigned a VPS a public IP of 75.21.221.23 (routed to public vlan)

from this vps I can ping 10.21.1.3 even know it does not have a private IP assigned to it

Also if I assign another VPS a private IP address lets say 10.21.1.36

I can ping this one as well from the vps that does not have a private IP address.

so I did a traceroute from this cps and it shows it going through eth0 10.21.1.3 to get to 10.21.1.36

ip route list  
(IPs altered)

```
10.21.1.128/26 dev eth0 proto kernel scope link src 10.21.1.3
169.254.0.0/16 dev eth0 scope link
10.0.0.0/8 via 10.21.1.2 dev eth0
```

I even tried deleting these routes and doing ip route flush cache

I am going nutz I dont want a VPS to have access to the hardware node's local IP address or any of the other VPS's local IP addresses unless I specifically assign a local IP to that VPS.

now mind you this only affects local IP's that are on the same machine if its on another server in the vlan then the VPS's dont have a route

God I hope someone knows the answer to this

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