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Subject: **\*SOLVED\*** How does OpenVZ pick traceroutes?

Posted by [dlzinc](#) on Fri, 22 Sep 2006 19:48:58 GMT

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Here's something interesting, how does OpenVZ pick what IP shows up in a traceroute from inside a VPS?

I have a server with the following setup:

eth0 = 192.168.0.1/255.255.255.0

lo = 127.0.0.1

lo:10 = 192.168.3.5/255.255.255.255

lo:11 = 172.21.1.1/255.255.255.255

router 192.168.0.254 (attached to eth0) is configured to route 192.168.3.0/24 and 172.21.1.0/29 to 192.168.0.1

arp send is a symlink to /bin/true (another device "policies" arp announces for unknown ip addresses on eth0 that I haven't gotten removed yet) to avoid complaints, I know, not the best idea

everything works properly.

traceroutes from outside show 192.168.0.254, 192.168.0.1, then the VPS IP  
traceroutes from a VPS show 192.168.3.5 then 192.168.0.254

I've tried adding a lo:9 (no difference)

I've tried having a VPS with only a 192.168.0.x IP (no change)

or only a 172.21.1.x IP (also no change)

So, out of pure curiosity.. how does OpenVZ decide which IP to show in a traceroute from a VPS in this case? It seems to pick it quite arbitrarily...

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