
Subject: Multiple networks?

Posted by [Jim Zajkowski](#) on Tue, 30 May 2006 18:31:00 GMT

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Hi there,

I've read TFM and searched the forum, but could not find someone with the same setup.

We run multiple interfaces on most of our physical nodes -- one for the public stuff, one for the internode communication, e.g. mysql.

I can't seem to figure out how to make a VE have more than one address on *different* networks, and have the packets come out the right way. For example, our public network is 141.211.182.0/24 (eth0), and our private network is 172.16.182.0/24 (eth1). Our HN can communicate on both networks correctly.

When we did a `vzctl 101 --ipadd 172.16.182.xx --save`, the IP does show up in the VE. But communication on it (e.g., `telnet 172.16.182.239`, for example) is leaving via the wrong interface, eth0, and is being sent with a source address of the `venet0:0` address, the VE's public address.

This normally looks like a routing problem, but the VE's route table looks specific to the `venet`'s magic.

Has anyone managed to do this successfully? To have an inside and outside network available from within a single VE?

Thanks,

--Jim

Subject: Re: Multiple networks?

Posted by [hemry](#) on Tue, 30 May 2006 19:39:04 GMT

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I'm using similar configuration, the problem I encountered was that everything was ok with node running `openvz`, but answering linux box sent arp requests on the wrong interface, after looking at various mailinglists I've found that this behaviour is intentional and can be manipulated through `sysctl (net.ipv4.conf.all.arp_announce)`

Subject: Re: Multiple networks?

Posted by [dev](#) on Wed, 31 May 2006 07:17:00 GMT

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have you read these threads:

<http://forum.openvz.org/index.php?t=tree&th=492&mid=2749&&rev=&reveal=>
http://forum.openvz.org/index.php?t=msg&goto=1631&&a mp;srch=src+routing#msg_1631
?

Subject: Re: Multiple networks?

Posted by [Jim Zajkowski](#) on Mon, 05 Jun 2006 12:49:17 GMT

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I did, and when I look at the route tables it looks (to me) to be correct.

In one of those posts, a user wanted the ability to have three different VEs, going out of three different interfaces.

I want *one* VE to be able to talk *on* two or three interfaces. That is, I want a multihomed VE.

--Jim
