## Subject: Making a manual IP configuration 'stick'
Posted by PhYrE on Mon, 22 Mar 2010 22:28:41 GMT

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I have the following config:
 Host:
  eth0: EXT.EXT.EXT.5/24
  eth0:1 10.5.5.5/8
 Container:
  venet0  127.0.0.1
  venet0:0  EXT.EXT.EXT.6/24
  venet0:1  10.6.6.6/8

This worked great for all purposes except that pinging something on the 10.x network failed unless the host being pinged was also on the EXT network, as the source IP was going out as EXT.EXT.EXT.6 and hence the remote system wasn't able to return the packet.

This was solved by running the following WITHIN the container
 ip route add to 10.0.0.0/8 src 10.6.6.6 dev venet0

How can I:
 a) configure this so that it does it when it configures the IP automatically or chooses the 'best' interface.
 b) configure it to execute this line after it brings up the interface.
 c) make this setting stick, beyond putting it into rc.local so that it is easily configured, replicated, and not overwritten by operating system changes.

Any help is greatly appreciated!

-M

## Subject: Re: Making a manual IP configuration 'stick'
Posted by kir on Mon, 22 Mar 2010 23:06:10 GMT

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This is a subject of bug #1088, which is not yet fixed

http://bugzilla.openvz.org/show_bug.cgi?id=1088

You know the workaround (rc.local or something similar) and the solution is to fix the bug...

## Subject: Re: Making a manual IP configuration 'stick'
Posted by PhYrE on Tue, 23 Mar 2010 14:27:00 GMT

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In reading the bug, I'm not sure that it is.

The bug asks for the ability to set netmasks for IP addresses and resolves the bug my using IP masquerading.

My fix changes the source IP address in the IP header so that it need not be the default primary IP but could also be a secondary IP address.

Maybe it does inadvertantly do it (as it could scope the IP range) but I just want to make sure this is in fact the same bug before I drop the issue.

My fix:
ip route add to 10.0.0.0/8 src 10.6.6.6 dev venet0

Their Bug Fix:
iptables -t nat -A POSTROUTING -s 10.0.15.64/27 -o eth1 -j SNAT --to 63.248.94.18

I guess just two ways to fix the same problem.  I'll watch the bug and see where it goes.

-M

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Subject: Re: Making a manual IP configuration 'stick'
Posted by kir on Tue, 23 Mar 2010 14:51:34 GMT
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Please forget about the comment about NAT. The thing is, vzctl sets default netmask of /24 for every address added. This is wrong and leads to incorrect routing. The only fix is to have correct netmasks, with these in place routes will also be correct.