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Subject: \*SOLVED\* Routable IP's  
Posted by [mavenman](#) on Fri, 21 Jul 2006 16:59:00 GMT  
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From HOST I have added a routable IP by:

```
$vzctl set VEID --ipadd ###.###.###.### --save
```

Restarted VE

From inside VE the proper IP is there for venet0:0:

```
-bash-3.00# ifconfig
```

```
<---- snipped lo ---->
```

```
venet0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        inet addr:127.0.0.1  P-t-P:127.0.0.1  Bcast:0.0.0.0  Mask:255.255.255.255
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
        TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:0 (0.0 b)  TX bytes:0 (0.0 b)
```

```
venet0:0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        inet addr:###.###.###.###  P-t-P:###.###.###.###  Bcast:###.###.###.###
Mask:255.255.255.255
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
```

From HOST ifconfig venet0:

```
venet0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
        RX packets:3 errors:0 dropped:0 overruns:0 frame:0
        TX packets:3 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:252 (252.0 b)  TX bytes:252 (252.0 b)
```

Do I need to map the routable IP to eth0 or manually add another venet interface for the routable IP that is set for the VE?

The symptom is I am unable to reach the VE outside of the HOST. I can trace to the box but then it dies without a response from the box. If I map to eth0:1 it pings/traces but does not route the traffic to the VE it is set to.

Thanks for any help on clearing this up.

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Subject: Re: Routable IP's  
Posted by [Valmont](#) on Fri, 21 Jul 2006 19:36:53 GMT  
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What template you use?

And, it would be better if you show your ifconfig without ### and route -n after adding ip by vzctl.

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Subject: Re: Routable IP's

Posted by [mavenman](#) on Fri, 21 Jul 2006 19:52:14 GMT

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Template - centos-4-i386-minimal

# route -n

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
72.18.###.###	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
72.18.###.0	0.0.0.0	255.255.255.0	U	0	0	0	eth0
169.254.0.0	0.0.0.0	255.255.0.0	U	0	0	0	eth0
0.0.0.0	72.18.###.1	0.0.0.0	UG	0	0	0	eth0

This being a very new install, I prefer not publishing my IP

I can confirm that venet0 matched the IP I have in the VEID.conf. If it is needed, then I would prefer PMing when needed.

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Subject: Re: Routable IP's

Posted by [Valmont](#) on Fri, 21 Jul 2006 20:02:46 GMT

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cat /etc/sysctl.conf | grep net ?  
iptables -nL ?

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Subject: Re: Routable IP's

Posted by [mavenman](#) on Fri, 21 Jul 2006 20:10:48 GMT

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```
# cat /etc/sysctl.conf | grep net
net.ipv4.ip_forward = 0
net.ipv4.conf.default.rp_filter = 1
net.ipv4.conf.default.accept_source_route = 0
```

```
# iptables -nL
```

```
Chain INPUT (policy ACCEPT)
```

```
target    prot opt source                destination
```

---

Chain FORWARD (policy ACCEPT)  
target prot opt source destination

Chain OUTPUT (policy ACCEPT)  
target prot opt source destination

---

Subject: Re: Routable IP's  
Posted by [Vasily Tarasov](#) on Fri, 21 Jul 2006 20:16:14 GMT  
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Must be so:  
net.ipv4.ip\_forward = 1

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Subject: Re: Routable IP's  
Posted by [Valmont](#) on Fri, 21 Jul 2006 20:27:58 GMT  
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[http://wiki.openvz.org/Quick\\_installation#sysctl](http://wiki.openvz.org/Quick_installation#sysctl)

And whats all

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Subject: Re: Routable IP's  
Posted by [mavenman](#) on Fri, 21 Jul 2006 20:31:08 GMT  
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DUH!

Cleared stated in the documentation.

Thanks ALL