
Subject: gateway - route

Posted by [taylorhgh](#) on Sun, 15 Jul 2007 04:12:45 GMT

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Ok.. I'm doing something really wrong. I figured I probably accidentally skipped through the man, but I've read a few times and can't figure it out.

I've created a VE no problem, but I have no idea how to add a gateway. I can add the IP, and nameservers no problem using `vzctl set VEID`, but there is no option for the gateway?

I don't want the host node to be the gateway I want my regular gateway IP on the router to be assigned to each VE. How do I add it to the VE?

Thanks

Subject: Re: gateway - route

Posted by [rickb](#) on Sun, 15 Jul 2007 16:46:06 GMT

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GW is handled by the HN, the VE has no control over it. The HN's routing table determines how the VE connects with the net. Do a search for source based routing as this is likely the answer to your next question.

Subject: Re: gateway - route

Posted by [taylorhgh](#) on Sun, 15 Jul 2007 17:11:44 GMT

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Thanks,

I did a search, but it looks like source based routing is more guided towards using different gateways for different VE? am I wrong to assume that?

Is the VE supposed to have this routing:

```
[root@host06 vz]# vzctl exec 100 route -n
```

```
Kernel IP routing table
```

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
169.254.0.0	0.0.0.0	255.255.0.0	U	0	0	0	venet0

```
[root@host06 vz]#
```

Subject: Re: gateway - route
Posted by [taylorhgh](#) on Mon, 16 Jul 2007 01:11:59 GMT
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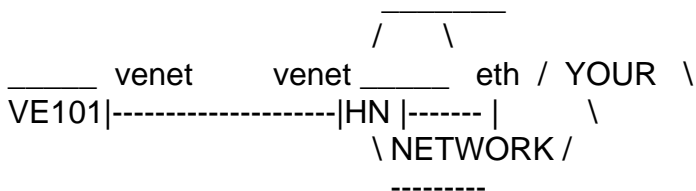
In case this helps, I've got Network unreachable error as follows:

```
[root@host06 ~]# vzctl set 601 --ipadd xxx.yyy.247.151 --save
Adding IP address(es): xxx.yyy.247.151
SIOCADDRT: Network is unreachable
Configure meminfo: 49152
Saved parameters for VE 601
[root@host06 ~]#
```

Subject: Re: gateway - route
Posted by [Vasily Tarasov](#) on Mon, 16 Jul 2007 08:32:37 GMT
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Hello,

As I can conclude you use venet device (it is handled by `vzctl set <veid> --ipadd` command). venet device is like a point to point connection between VE and HN:



So, HN must forward packets from and to VE if you want your VE to be able to reach other computers in your network.

Routing is set automatically on HN and in VE by `vzctl` while `--ipadd` command.

HTH,
Vasily.

Subject: Re: gateway - route
Posted by [taylorhgh](#) on Mon, 16 Jul 2007 14:13:14 GMT
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--ipadd does not work properly. As you can see from my --ipadd command there is a subnetmask

error it looks like:

```
[root@host06 ~]# vzctl set 601 --ipadd xxx.yyy.247.151 --save
Adding IP address(es): xxx.yyy.247.151
SIOCADDRT: Network is unreachable
Configure meminfo: 49152
Saved parameters for VE 601
[root@host06 ~]#
```

Any ideas? Can I do something like --ipadd xxx.yyy.247.151 --netmask 255.255.255.128 ?

Thanks in advance!

Subject: Re: gateway - route

Posted by [Vasily Tarasov](#) on Mon, 16 Jul 2007 14:50:28 GMT

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I've just wrote you, that venet - is point-to-point protocol, so netmask is not important in this case.

What template do you use for your VE?

What is your vzctl version?

Thanks,
Vasily.

Subject: Re: gateway - route

Posted by [taylorhgh](#) on Mon, 16 Jul 2007 19:13:44 GMT

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VZCTL version 3.0.18 on a HN running CentOS 5

I've tried template w/ CentoS-4-i386-minimal, and default. I've also tried fedora-core-5

Thanks Again!

Subject: Re: gateway - route

Posted by [taylorhgh](#) on Tue, 17 Jul 2007 19:07:19 GMT

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Do you think it's possible it's only doing that because it's CentOS 5?
