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Subject: \*ISSUE\* VE route problem

Posted by [stonenzj](#) on Fri, 08 Jun 2007 11:35:46 GMT

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Hi, i reinstall the root server at yesterday. openvz working fine before reinstall.  
Now,the VZ110 can't connect to outside , only connent to HN .

// Base Kernel

```
image = /boot/vmlinuz-2.6.9-55.ELsmp
  label = 2.6.9-55.ELsmp
  initrd = /boot/initrd-2.6.9-55.ELsmp.img
```

// VZ Kernel

```
Linux 84-16-233-207 2.6.9-023stab044.4-smp #1 SMP Mon May 28 23:18:17 MSD 2007 i686
i686 i386 GNU/Linux
```

// ip r l at HN

```
84.16.251.121 dev venet0 scope link
89.149.221.89 dev venet0 scope link
84.16.233.0/24 dev eth0 proto kernel scope link src 84.16.233.207
169.254.0.0/16 dev eth0 scope link
default via 84.16.233.1 dev eth0
```

// ip r l at VE110

```
192.0.2.0/24 dev venet0 scope host
169.254.0.0/16 dev venet0 scope link
default via 192.0.2.1 dev venet0
```

//ip a l at HN

```
2: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
  link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
  inet 127.0.0.1/8 brd 127.255.255.255 scope host lo
4: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
  link/ether 00:02:a5:0a:e5:30 brd ff:ff:ff:ff:ff:ff
  inet 84.16.233.207/24 brd 84.16.233.255 scope global eth0
11: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
  link/void
```

//ip a l at VE110

```
1: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
  link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
  inet 127.0.0.1/8 brd 127.255.255.255 scope host lo
3: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
  link/void
  inet 127.0.0.1/32 scope host venet0
  inet 89.149.221.89/32 brd 89.149.221.89 scope global venet0:0
  inet 84.16.251.121/32 brd 84.16.251.121 scope global venet0:1
```

//route at HN

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
84.16.251.121	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
89.149.221.89	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
84.16.233.0	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	84.16.233.1	0.0.0.0	UG	0	0	0	eth0

//route at ve110

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
192.0.2.0	0.0.0.0	255.255.255.0	U	0	0	0	venet0
169.254.0.0	0.0.0.0	255.255.0.0	U	0	0	0	venet0
0.0.0.0	192.0.2.1	0.0.0.0	UG	0	0	0	venet0

//ifconfig at Ve110

```
lo    Link encap:Local Loopback
      inet addr:127.0.0.1  Mask:255.0.0.0
      UP LOOPBACK RUNNING  MTU:16436  Metric:1
      RX packets:1230259009 errors:0 dropped:0 overruns:0 frame:0
      TX packets:1631407695 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:1140876388 (1.0 GiB)  TX bytes:1095784005 (1.0 GiB)

venet0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
      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:8 errors:0 dropped:0 overruns:0 frame:0  
TX packets:44 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:672 (672.0 b) TX bytes:3596 (3.5 KiB)

venet0:0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  
inet addr:89.149.221.89 P-t-P:89.149.221.89 Bcast:89.149.221.89 Mask:255.255.255.255  
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1

venet0:1 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  
inet addr:84.16.251.121 P-t-P:84.16.251.121 Bcast:84.16.251.121 Mask:255.255.255.255  
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1

//ifconfig at HN

eth0 Link encap:Ethernet HWaddr 00:02:A5:0A:E5:30  
inet addr:84.16.233.207 Bcast:84.16.233.255 Mask:255.255.255.0  
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1  
RX packets:268804 errors:0 dropped:0 overruns:0 frame:0  
TX packets:134942 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:1000  
RX bytes:150618261 (143.6 MiB) TX bytes:13052749 (12.4 MiB)

lo Link encap:Local Loopback  
inet addr:127.0.0.1 Mask:255.0.0.0  
UP LOOPBACK RUNNING MTU:16436 Metric:1  
RX packets:34 errors:0 dropped:0 overruns:0 frame:0  
TX packets:34 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:4353 (4.2 KiB) TX bytes:4353 (4.2 KiB)

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:44 errors:0 dropped:0 overruns:0 frame:0  
TX packets:8 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:3596 (3.5 KiB) TX bytes:672 (672.0 b)

//iptables all stop  
//sysctl -w net.ipv4.ip\_forward="1"  
//Ping test

HN to ve110

PING 89.149.221.89 (89.149.221.89) 56(84) bytes of data.  
64 bytes from 89.149.221.89: icmp\_seq=0 ttl=64 time=0.197 ms  
64 bytes from 89.149.221.89: icmp\_seq=1 ttl=64 time=0.106 ms

64 bytes from 89.149.221.89: icmp\_seq=2 ttl=64 time=0.129 ms  
64 bytes from 89.149.221.89: icmp\_seq=3 ttl=64 time=0.092 ms  
64 bytes from 89.149.221.89: icmp\_seq=4 ttl=64 time=0.124 ms

HN to DNS

PING 217.20.116.1 (217.20.116.1) 56(84) bytes of data.  
64 bytes from 217.20.116.1: icmp\_seq=0 ttl=61 time=0.332 ms  
64 bytes from 217.20.116.1: icmp\_seq=1 ttl=61 time=0.296 ms  
64 bytes from 217.20.116.1: icmp\_seq=2 ttl=61 time=0.283 ms  
64 bytes from 217.20.116.1: icmp\_seq=3 ttl=61 time=0.265 ms

VE110 TO HN

PING 84.16.233.207 (84.16.233.207) 56(84) bytes of data.  
64 bytes from 84.16.233.207: icmp\_seq=0 ttl=64 time=0.222 ms  
64 bytes from 84.16.233.207: icmp\_seq=1 ttl=64 time=0.110 ms  
64 bytes from 84.16.233.207: icmp\_seq=2 ttl=64 time=0.098 ms

VE110 to DNS

PING 217.20.116.1 (217.20.116.1) 56(84) bytes of data.

--- 217.20.116.1 ping statistics ---  
32 packets transmitted, 0 received, 100% packet loss, time 31000ms

//traceroute test

HN TO DNS

traceroute to 217.20.116.1 (217.20.116.1), 30 hops max, 38 byte packets  
1 84.16.224.1 0.531 ms 0.469 ms 0.451 ms  
2 89.149.218.33 0.247 ms 0.232 ms 0.760 ms  
3 89.149.218.14 0.492 ms 0.460 ms 0.506 ms  
4 217.20.116.1 0.243 ms 0.252 ms 0.236 ms

VE TO DNS

traceroute to 217.20.116.1 (217.20.116.1), 30 hops max, 38 byte packets  
1 84.16.233.207 (84.16.233.207) 0.285 ms 0.253 ms 0.084 ms  
2 \* \* \*  
3 \* \* \*

noting