
Subject: no connectivity from inside VE after migration

Posted by [goeldi](#) on Mon, 14 Jan 2008 10:22:55 GMT

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OK, this really seems to haunt me

I have 2 hardware nodes on different networks. Node A and Node B. On Node A are 4 VEs running Centos 4 and 5:

vzlist

VEID	NPROC	STATUS	IP_ADDR	HOSTNAME
1233	49	running	79.47.111.233	mail3.bla.net
3226	43	running	79.47.193.226	bla.ch
3229	28	running	79.47.193.229	mail.bla.ch
3230	4	running	79.47.193.230	plone3.bla.net

VE 1233 with Centos 4

VE 3226 with Centos 5

VE 3229 with Centos 4

VZ 3230 with Centos 5

This Node (A) had a disk error (software RAID-1) so I migrated VE 3226 to HN B. The other ones were vzdumped and copied to a backup server.

VE 3226 became another IP address on HN B (because HN B is on a completely different network). Everything was OK.

After the disk change I reinstalled VZ on HN A, going to Centos 5 and LVM.

Now I can do everything with VE 1233: entering and pinging to ip and domains.

VE 3226, 3229 and 3230 have no connectivity outside of the HN: pinging to ip or domain does not work. I stopped iptables on VE and on HN. Does not change anything.

Here I paste the data from HN and VE 3226:

HN

```
# ip a l
2: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue
    link/loopback 00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        inet6 ::1/128 scope host
            valid_lft forever preferred_lft forever
4: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:e0:4c:10:05:18 brd ff:ff:ff:ff:ff:ff
    inet 213.239.194.78/27 brd 213.239.194.95 scope global eth0
        inet6 fe80::2e0:4cff:fe10:518/64 scope link
            valid_lft forever preferred_lft forever
```

```
6: sit0: <NOARP> mtu 1480 qdisc noop  
    link/sit 0.0.0.0 brd 0.0.0.0  
1: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,LOWER_UP> mtu 1500 qdisc noqueue  
    link/void
```

```
# ip r l  
79.47.193.229 dev venet0 scope link  
79.47.193.230 dev venet0 scope link  
79.47.193.226 dev venet0 scope link  
79.47.111.233 dev venet0 scope link  
213.239.194.64/27 dev eth0 proto kernel scope link src 213.239.194.78  
169.254.0.0/16 dev eth0 scope link  
default via 213.239.194.65 dev eth0
```

```
# iptables -L  
Chain INPUT (policy ACCEPT)  
target  prot opt source          destination  
RH-Firewall-1-INPUT  all  --  anywhere       anywhere
```

```
Chain FORWARD (policy ACCEPT)  
target  prot opt source          destination
```

```
Chain OUTPUT (policy ACCEPT)  
target  prot opt source          destination
```

```
Chain RH-Firewall-1-INPUT (1 references)  
target  prot opt source          destination  
ACCEPT  all  --  anywhere       anywhere  
ACCEPT  icmp --  anywhere      anywhere      icmp any  
ACCEPT  esp  --  anywhere      anywhere  
ACCEPT  ah   --  anywhere      anywhere  
ACCEPT  udp  --  anywhere      224.0.0.251    udp dpt:mdns  
ACCEPT  udp  --  anywhere      anywhere      udp dpt:ipp  
ACCEPT  all  --  anywhere      anywhere      state RELATED,ESTAB  
                                LISHED  
ACCEPT  tcp  --  anywhere      anywhere      state NEW tcp dpt:n  
                                dmp  
ACCEPT  tcp  --  anywhere      anywhere      state NEW tcp dpt:s  
sh  
ACCEPT  tcp  --  212-98-47-70.static.adslpremium.ch anywhere      stat  
e NEW tcp dpt:19150  
ACCEPT  tcp  --  192.168.2.3     anywhere      state NEW tcp dpt:1  
9150  
REJECT all  --  anywhere      anywhere      reject-with icmp-ho  
st-prohibited
```

```
# iptables -t nat -L  
Chain PREROUTING (policy ACCEPT)
```

```
target prot opt source destination
```

Chain POSTROUTING (policy ACCEPT)

```
target prot opt source destination
```

Chain OUTPUT (policy ACCEPT)

```
target prot opt source destination
```

No file /proc/sys/net/ipv4/ip_forwarding on hardware node!

Inside VE:

```
# ip a l
```

```
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue
    link/loopback 00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        inet6 ::1/128 scope host
            valid_lft forever preferred_lft forever
3: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,LOWER_UP> mtu 1500 qdisc noqueue
    link/void
    inet 127.0.0.1/32 scope host venet0
    inet 79.47.193.226/32 brd 79.47.193.226 scope global venet0:0
```

```
# ip r l
```

```
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
```

```
# iptables -L
```

Chain INPUT (policy ACCEPT)

target	prot	opt	source	destination	
ACCEPT	tcp	--	anywhere	anywhere	tcp flags:ACK/ACK
ACCEPT	all	--	anywhere	anywhere	state ESTABLISHED
ACCEPT	all	--	anywhere	anywhere	state RELATED
ACCEPT	udp	--	anywhere	anywhere	udp spt:domain dpts:1024:65535
ACCEPT	icmp	--	anywhere	anywhere	icmp echo-reply
ACCEPT	icmp	--	anywhere	anywhere	icmp destination-unreachable
ACCEPT	icmp	--	anywhere	anywhere	icmp source-quench
ACCEPT	icmp	--	anywhere	anywhere	icmp time-exceeded
ACCEPT	icmp	--	anywhere	anywhere	icmp parameter-problem
ACCEPT	tcp	--	anywhere	anywhere	tcp dpt:ssh
ACCEPT	tcp	--	anywhere	anywhere	tcp dpt:smtp
ACCEPT	tcp	--	anywhere	anywhere	tcp dpt:http
ACCEPT	tcp	--	anywhere	anywhere	tcp dpt:https
ACCEPT	tcp	--	anywhere	anywhere	tcp dpt:pop3
ACCEPT	tcp	--	anywhere	anywhere	tcp dpt:imap

```
ACCEPT  tcp  --  anywhere            anywhere      tcp dpts:ndmp:10010
ACCEPT  tcp  --  anywhere            anywhere      tcp dpt:dnp state NEW
REJECT  all  --  anywhere           anywhere      reject-with icmp-port-unreachable
```

Chain FORWARD (policy ACCEPT)
target prot opt source destination

Chain OUTPUT (policy ACCEPT)
target prot opt source destination

iptables -t nat -L
Chain PREROUTING (policy ACCEPT)
target prot opt source destination

Chain POSTROUTING (policy ACCEPT)
target prot opt source destination

Chain OUTPUT (policy ACCEPT)
target prot opt source destination

Also on VE no /proc/sys/net/ipv4/ip_forwarding exists.
