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 00:00:00:00:00:00 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 00:00:00:00:00:00 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.