Subject: cannot ping internet from within VE
Posted by thorpe on Fri, 06 Jun 2008 00:06:04 GMT
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I have a few VE's setup, none of which seem to be able to reach the internet. They can all ping each other and VE0, but nothing outside.

I hope I post enough information.

/etc/vz/conf/10104.conf

NUMPROC="2552:2552"
AVNUMPROC="1276:1276"
NUMTCPSOCK="2552:2552"
NUMOTHERSOCK="2552:2552"
VMGUARPAGES="106535:9223372036854775807"

KMEMSIZE="104566476:115023123"
TCPSNDBUF="24402500:34855492"
TCPRCVBUF="24402500:34855492"
OTHERSOCKBUF="12201250:22654242"
DGRAMRCVBUF="12201250:12201250"
OOMGUARPAGES="106535:9223372036854775807"
PRIVVMPAGES="639210:703131"

LOCKEDPAGES="5105:5105"
SHMPAGES="63921:63921"
PHYSPAGES="0:9223372036854775807"
NUMFILE="40832:40832"
NUMFLOCK="1000:1100"
NUMPTY="255:255"
NUMSIGINFO="1024:1024"
DCACHESIZE="22834205:23519232"
NUMIPTENT="125:125"
DISKSPACE="936398:1030038"
DISKINODES="254089:279499"
CPUUNITS="17651"
VE_ROOT="/var/lib/vz/root/$VEID"
VE_PRIVATE="/var/lib/vz/private/$VEID"
OSTEMPLATE="debian-4.0-minimal"
ORIGIN_SAMPLE="my-16"
IP_ADDRESS="192.168.10.104"
HOSTNAME="etch-lab"
NAMESERVER="203.0.178.191"
SEARCHDOMAIN="thorpesystems.local"
ONBOOT="yes"
NAME="etch-lab"

/etc/sysctl.conf
kernel.printk = 4 4 1 7
net.ipv4.conf.default.proxy_arp = 0
net.ipv4.ip_forward = 1
net.ipv4.conf.all.rp_filter = 1
kernel.sysrq = 1
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0

And my iptables rules on VE0.

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

Do you need more info? Where should I start?

My VE0 has no problems pinging the internet.

Subject: Re: cannot ping internet from within VE
Posted by maratrus on Fri, 06 Jun 2008 08:43:17 GMT
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Hi,

it's necessary to know your network configuration:
(as I can see your VE has private IP)
if your HN has public IP look at this page
http://wiki.openvz.org/Using_NAT_for_container_with_private_ IPs

Anyway, please look here
http://forum.openvz.org/index.php?t=tree&goto=27545& #msg_27545

Thank You!

Subject: Re: cannot ping internet from within VE
Posted by thorpe on Mon, 09 Jun 2008 07:10:52 GMT
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My HN is actually within the same network with an ip address of 192.168.10.2

Here are a few details from the HN.

```
thorpe@oblivion ~ # sudo ifconfig
lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:96 errors:0 dropped:0 overruns:0 frame:0
          TX packets:96 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:8164 (7.9 KiB)  TX bytes:8164 (7.9 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:248498 errors:0 dropped:0 overruns:0 frame:0
          TX packets:114369 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:17486738 (16.6 MiB)  TX bytes:10247348 (9.7 MiB)

wlan0     Link encap:Ethernet  HWaddr 00:1c:f0:89:f5:10
          inet addr:192.168.10.2  Bcast:192.255.255.255  Mask:255.0.0.0
          inet6 addr: fe80::21c:f0ff:fe89:f510/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:227400 errors:0 dropped:0 overruns:0 frame:0
          TX packets:490967 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:68627472 (65.4 MiB)  TX bytes:39396100 (37.5 MiB)

wmaster0  Link encap:UNSPEC  HWaddr 00-1C-F0-89-F5-10-00-00-00-00-00-00-00-00-00-00
          UP BROADCAST RUNNING MULTICAST  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:1000
          RX bytes:0 (0.0 B)  TX bytes:0 (0.0 B)


thorpe@oblivion ~ # ip route list table all
192.168.10.104 dev venet0  scope link  src 192.168.10.2
192.168.10.105 dev venet0  scope link  src 192.168.10.2
192.168.10.106 dev venet0  scope link  src 192.168.10.2
192.168.10.100 dev venet0  scope link  src 192.168.10.2
192.168.10.101 dev venet0  scope link  src 192.168.10.2
192.168.10.102 dev venet0  scope link  src 192.168.10.2
192.168.10.103 dev venet0  scope link  src 192.168.10.2
192.0.0.0/8 dev wlan0  proto kernel  scope link  src 192.168.10.2
```

default via 192.168.10.1 dev wlan0
broadcast 127.255.255.255 dev lo table local proto kernel scope link src 127.0.0.1
broadcast 192.0.0.0 dev wlan0 table local proto kernel scope link src 192.168.10.2
local 192.168.10.2 dev wlan0 table local proto kernel scope host src 192.168.10.2
broadcast 192.255.255.255 dev wlan0 table local proto kernel scope link src 192.168.10.2
broadcast 127.0.0.0 dev lo table local proto kernel scope link src 127.0.0.1
local 127.0.0.1 dev lo table local proto kernel scope host src 127.0.0.1
local 127.0.0.0/8 dev lo table local proto kernel scope host src 127.0.0.1
fe80::/64 dev wlan0 metric 256 expires 20895427sec mtu 1500 advmss 1440 hoplimit 4294967295
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255
local ::1 via :: dev lo table local proto none metric 0 mtu 16436 advmss 16376 hoplimit 4294967295
local fe80::21c:f0ff:fe89:f510 via :: dev lo table local proto none metric 0 mtu 16436 advmss 16376 hoplimit 4294967295
ff00::/8 dev wlan0 table local metric 256 expires 20895427sec mtu 1500 advmss 1440 hoplimit 4294967295
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255

And, from within the VE in question.

root@etch-lab:/# ip rule list
-bash: ip: command not found

Obviously, without an internet connection I can't install ip on the VE.

I have no netfilter (iptables) rules in place on either the HN or the VE.

thorpe@oblivion ~ # sudo iptables -L
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

root@etch-lab:/# iptables -L
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

As you can probably see I have other VE's running on this same machine, all of which have this same issue. No internet connection.

Subject: Re: cannot ping internet from within VE
Posted by maratrus on Mon, 09 Jun 2008 08:31:43 GMT
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Hi,

Quote:
Obviously, without an internet connection I can't install ip on the VE.

Why don't you download appropriate package on the HN and then move it into VE and install it there?

Or you can use "route" utility and "ifconfig" command inside VE.
Please show us the route table and ifconfig output from inside the VE.

Could you possibly show also "arp -n" on the HN?

And if it is possible what is the output of the "tcpdump" utility.
Try to ping something from inside the VE (ping x.x.x.x) and then show the output of "tcpdump" from HN and from VE.
