Subject: OpenSuSE precreated no connectiviy
Posted by goeldi on Mon, 23 Apr 2007 12:15:03 GMT
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I use a CentOS 5 as HN and the OpenSuSE 10 precreated image as VE. Kernel is 2.6.18-8.el5.028stab027.1. This software is on the HN:
vzquota-3.0.9-1
vzyum-2.4.0-11
vzpkg-2.7.0-18
vzrpm43-python-4.3.3-7_nonptl.6
vztmpl-centos-4-2.0-2
vzctl-lib-3.0.16-1
vzctl-3.0.16-1
vzrpm44-4.4.1-22.5
vzrpm44-python-4.4.1-22.5
vzrpm43-4.3.3-7_nonptl.6

I can start and stop the VE from HN without any problem. Yum on HN works too. Now my problem is, that I have no connectivity at all to and from the VE (ping from HN to VE and ping from VE to HN or the internet doesn't work).

Here is my configuration:

/sbin/ifconfig -a on HN:

```
eth1      Link encap:Ethernet  HWaddr 00:14:78:06:60:A0
          inet addr:147.86.124.80  Bcast:147.86.127.255  Mask:255.255.252.0
          inet6 addr: fe80::214:78ff:fe06:60a0/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:300 errors:0 dropped:0 overruns:0 frame:0
          TX packets:102 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:29180 (28.4 KiB)  TX bytes:11179 (10.9 KiB)
          Interrupt:201 Base address:0x8c00

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:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:0 (0.0 b)  TX bytes:0 (0.0 b)

sit0      Link encap:IPv6-in-IPv4
          NOARP  MTU:1480  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:0
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)

venet0   Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
inet addr:147.86.124.83 P-t-P:147.86.124.83 Bcast:147.86.127.255 Mask:255.255.252.0
UP BROADCAST POINTOPOINT RUNNING NOARP 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:0
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)

/sbin/ifconfig -a on VE:

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:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)

venet0   Link encap:UNSPEC HWaddr 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:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)

venet0:0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
inet addr:147.86.124.81 P-t-P:147.86.124.81 Bcast:0.0.0.0 Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1

ifconfig -a on VE:

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:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)

```
venet0    Link encap:UNSPEC  HWaddr 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:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:0 (0.0 b)  TX bytes:0 (0.0 b)

venet0:0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
          inet addr:147.86.124.81  P-t-P:147.86.124.81  Bcast:0.0.0.0  Mask:255.255.255.255
          UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
```

route -n on VE:

```
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
127.0.0.0       0.0.0.0         255.0.0.0       U     0      0        0 lo
```

route -n on HN:

```
Kernel IP routing table
Destination     Gateway         Genmask         Flags Metric Ref    Use Iface
147.86.124.0    0.0.0.0         255.255.252.0   U     0      0        0 eth1
147.86.124.0    0.0.0.0         255.255.252.0   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         147.86.124.1    0.0.0.0         UG    0      0        0 eth1
```

iptables -L -vn on HN:

[CODE]

```
Chain INPUT (policy ACCEPT 0 packets, 0 bytes)
 pkts bytes target     prot opt in     out     source               destination
  614 64302 RH-Firewall-1-INPUT  all  --  *      *       0.0.0.0/0            0.0.0.0/0

Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)
 pkts bytes target     prot opt in     out     source               destination
    0     0 RH-Firewall-1-INPUT  all  --  *      *       0.0.0.0/0            0.0.0.0/0

Chain OUTPUT (policy ACCEPT 325 packets, 37935 bytes)
 pkts bytes target     prot opt in     out     source               destination

Chain RH-Firewall-1-INPUT (2 references)
 pkts bytes target     prot opt in     out     source               destination
    0     0 ACCEPT     all  --  lo     *       0.0.0.0/0            0.0.0.0/0
    2   168 ACCEPT     icmp --  *      *       0.0.0.0/0            0.0.0.0/0           icmp type 255
    0     0 ACCEPT     esp  --  *      *       0.0.0.0/0            0.0.0.0/0
```

```
    0     0 ACCEPT     ah   --  *      *       0.0.0.0/0           0.0.0.0/0
    0     0 ACCEPT     udp  --  *      *       0.0.0.0/0           224.0.0.251         udp dpt:5353
    0     0 ACCEPT     udp  --  *      *       0.0.0.0/0           0.0.0.0/0           udp dpt:631
    0     0 ACCEPT     tcp  --  *      *       0.0.0.0/0           0.0.0.0/0           tcp dpt:631
  390 30609 ACCEPT     all  --  *      *       0.0.0.0/0           0.0.0.0/0           state
RELATED,ESTABLISHED
    0     0 ACCEPT     tcp  --  *      *       0.0.0.0/0           0.0.0.0/0           state NEW tcp dpt:10000
    1    48 ACCEPT     tcp  --  *      *       0.0.0.0/0           0.0.0.0/0           state NEW tcp dpt:22
  221 33477 REJECT     all  --  *      *       0.0.0.0/0           0.0.0.0/0           reject-with
icmp-host-prohibited[/CODE]


iptables on VE is not running


/etc/vz/conf/12481.conf

ONBOOT="yes"

# UBC parameters (in form of barrier:limit)
# Primary parameters
AVNUMPROC="40:40"
NUMPROC="65:65"
NUMTCPSOCK="80:80"
NUMOTHERSOCK="80:80"
VMGUARPAGES="6144:2147483647"
# Secondary parameters
KMEMSIZE="2752512:2936012"
TCPSNDBUF="319488:524288"
TCPRCVBUF="319488:524288"
OTHERSOCKBUF="132096:336896"
DGRAMRCVBUF="132096:132096"
OOMGUARPAGES="6144:2147483647"
# Auxiliary parameters
LOCKEDPAGES="32:32"
SHMPAGES="8192:8192"
PRIVVMPAGES="59152:63575"
NUMFILE="2048:2048"
NUMFLOCK="100:110"
NUMPTY="16:16"
NUMSIGINFO="256:256"
DCACHESIZE="1048576:1097728"

PHYSPAGES="0:2147483647"
NUMIPTENT="128:128"

# Disk quota parameters (in form of softlimit:hardlimit)
DISKSPACE="1048576:1153434"
```

```
DISKINODES="200000:220000"
QUOTATIME="0"

# CPU fair sheduler parameter
CPUUNITS="1000"
VE_ROOT="/vz/root/$VEID"
VE_PRIVATE="/vz/private/$VEID"
OSTEMPLATE="opensuse-10-i386-default"
ORIGIN_SAMPLE="vps.basic"
IP_ADDRESS="147.86.124.81"
HOSTNAME="12481.fhnw.ch"
```

/etc/vz/vz.conf:

```
## Global parameters
VIRTUOZZO=yes
LOCKDIR=/vz/lock
DUMPDIR=/vz/dump
VE0CPUUNITS=1000

## Logging parameters
LOGGING=yes
LOGFILE=/var/log/vzctl.log
LOG_LEVEL=0
VERBOSE=0

## Disk quota parameters
DISK_QUOTA=yes
VZFASTBOOT=no

# The name of the device whose ip address will be used as source ip for VE.
# By default automatically assigned.
#VE_ROUTE_SRC_DEV="eth0"

## Template parameters
TEMPLATE=/vz/template

## Defaults for VEs
VE_ROOT=/vz/root/$VEID
VE_PRIVATE=/vz/private/$VEID
CONFIGFILE="vps.basic"
DEF_OSTEMPLATE="fedora-core-4"

## Load vzwdog module
```

VZWDOG="no"
IPV6="no"

IPTABLES="ipt_REJECT ipt_tos ipt_limit ipt_multiport iptable_filter iptable_mangle ipt_TCPMSS ipt_tcpmss ipt_ttl ipt_length"

Subject: Re: OpenSuSE precreated no connectiviy
Posted by Vasily Tarasov on Mon, 23 Apr 2007 17:52:20 GMT
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Hello,

I looked through your settings and some things are really strange for me. For example IP address of venet device on HN - no of OpenVZ scripts/tools set an IP address on it... Soi I want to ask you, how did you set up network? Did you do it manually? What exact commands did you use?

And the second question: please, try to turn off iptables at all for the beginning and ping HN from VE and on the contrary.

Thanks,
Vasily.

Subject: Re: OpenSuSE precreated no connectiviy
Posted by goeldi on Wed, 25 Apr 2007 13:15:42 GMT
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OK, I reinstalled the CentOS5 server this time more standard compliant

The OpenSuSE precreated VE is running now, and I can ping to HN from VE and to VE from HN. Pinging to google.com from VE is not possible though.

Here are my new specs:

/sbin/ifconfig -a on HN:
```
eth0      Link encap:Ethernet  HWaddr 00:C0:9F:45:88:12
          inet addr:147.86.124.80  Bcast:147.86.127.255  Mask:255.255.252.0
          inet6 addr: fe80::2c0:9fff:fe45:8812/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:1905 errors:0 dropped:0 overruns:0 frame:0
          TX packets:1012 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:100
          RX bytes:232625 (227.1 KiB)  TX bytes:447344 (436.8 KiB)
```

```
          Base address:0xece0 Memory:fe2e0000-fe300000

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:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:0 (0.0 b)  TX bytes:0 (0.0 b)

sit0      Link encap:IPv6-in-IPv4
          NOARP  MTU:1480  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:0
          RX bytes:0 (0.0 b)  TX bytes:0 (0.0 b)

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:36 errors:0 dropped:0 overruns:0 frame:0
          TX packets:29 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:1824 (1.7 KiB)  TX bytes:2292 (2.2 KiB)

/sbin/ifconfig -a on VE:
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:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:0 (0.0 b)  TX bytes:0 (0.0 b)

venet0    Link encap:UNSPEC  HWaddr 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:41 errors:0 dropped:0 overruns:0 frame:0
          TX packets:48 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:3204 (3.1 Kb)  TX bytes:2400 (2.3 Kb)

venet0:0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
          inet addr:147.86.124.81  P-t-P:147.86.124.81  Bcast:0.0.0.0  Mask:255.255.255.255
          UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1

route -n on VE:
```

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
127.0.0.0       0.0.0.0         255.0.0.0       U     0      0        0 lo
0.0.0.0         192.0.2.1       0.0.0.0         UG    0      0        0 venet0
```

route -n on HN:
Kernel IP routing table
```
Destination     Gateway         Genmask         Flags Metric Ref    Use Iface
147.86.124.81   0.0.0.0         255.255.255.255 UH    0      0        0 venet0
147.86.124.0    0.0.0.0         255.255.252.0   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         147.86.124.1    0.0.0.0         UG    0      0        0 eth0
```

iptables -L -vn on HN:
```
Chain INPUT (policy ACCEPT 0 packets, 0 bytes)
 pkts bytes target     prot opt in     out     source               destination
 1824  227K RH-Firewall-1-INPUT  all  --  *      *       0.0.0.0/0            0.0.0.0/0

Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)
 pkts bytes target     prot opt in     out     source               destination
   54  2688 RH-Firewall-1-INPUT  all  --  *      *       0.0.0.0/0            0.0.0.0/0

Chain OUTPUT (policy ACCEPT 1352 packets, 466K bytes)
 pkts bytes target     prot opt in     out     source               destination

Chain RH-Firewall-1-INPUT (2 references)
 pkts bytes target     prot opt in     out     source               destination
    0     0 ACCEPT     all  --  lo     *       0.0.0.0/0            0.0.0.0/0
    0     0 ACCEPT     icmp --  *      *       0.0.0.0/0            0.0.0.0/0           icmp type 255
    0     0 ACCEPT     esp  --  *      *       0.0.0.0/0            0.0.0.0/0
    0     0 ACCEPT     ah   --  *      *       0.0.0.0/0            0.0.0.0/0
    0     0 ACCEPT     udp  --  *      *       0.0.0.0/0            224.0.0.251         udp dpt:5353
    0     0 ACCEPT     udp  --  *      *       0.0.0.0/0            0.0.0.0/0           udp dpt:631
    0     0 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp dpt:631
 1295 90004 ACCEPT     all  --  *      *       0.0.0.0/0            0.0.0.0/0           state
RELATED,ESTABLISHED
    0     0 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           state NEW tcp dpt:10000
    1    48 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           state NEW tcp dpt:22
  582  139K REJECT     all  --  *      *       0.0.0.0/0            0.0.0.0/0           reject-with
icmp-host-prohibited
```

/etc/vz/conf/12481.conf
```
ONBOOT="yes"

# UBC parameters (in form of barrier:limit)
# Primary parameters
AVNUMPROC="40:40"
```

NUMPROC="65:65"
NUMTCPSOCK="80:80"
NUMOTHERSOCK="80:80"
VMGUARPAGES="6144:2147483647"
# Secondary parameters
KMEMSIZE="2752512:2936012"
TCPSNDBUF="319488:524288"
TCPRCVBUF="319488:524288"
OTHERSOCKBUF="132096:336896"
DGRAMRCVBUF="132096:132096"
OOMGUARPAGES="6144:2147483647"
# Auxiliary parameters
LOCKEDPAGES="32:32"
SHMPAGES="8192:8192"
PRIVVMPAGES="49152:53575"
NUMFILE="2048:2048"
NUMFLOCK="100:110"
NUMPTY="16:16"
NUMSIGINFO="256:256"
DCACHESIZE="1048576:1097728"

PHYSPAGES="0:2147483647"
NUMIPTENT="128:128"

# Disk quota parameters (in form of softlimit:hardlimit)
DISKSPACE="1048576:1153434"
DISKINODES="200000:220000"
QUOTATIME="0"

# CPU fair sheduler parameter
CPUUNITS="1000"
VE_ROOT="/vz/root/$VEID"
VE_PRIVATE="/vz/private/$VEID"
OSTEMPLATE="opensuse-10-i386-default"
ORIGIN_SAMPLE="vps.basic"
IP_ADDRESS="147.86.124.81"
IPTABLES="iptable_filter iptable_mangle ipt_limit ipt_multiport ipt_tos ipt_TOS ipt_REJECT ipt_TCPMSS ipt_tcpmss ipt_ttl ipt_LOG ipt_length ip_conntrack ip_conntrack_ftp ip_conntrack_irc ipt_conntrack ipt_state ipt_helper iptable_nat ip_nat_ftp ip_nat_irc ipt_REDIRECT"

/etc/vz/vz.conf:
Global parameters
VIRTUOZZO=yes
LOCKDIR=/vz/lock
DUMPDIR=/vz/dump
VE0CPUUNITS=1000

Logging parameters

LOGGING=yes
LOGFILE=/var/log/vzctl.log
LOG_LEVEL=0
VERBOSE=0

Disk quota parameters
DISK_QUOTA=yes
VZFASTBOOT=no

The name of the device whose ip address will be used as source ip for VE.
By default automatically assigned.
#VE_ROUTE_SRC_DEV="eth0"

Template parameters
TEMPLATE=/vz/template

Defaults for VEs
VE_ROOT=/vz/root/$VEID
VE_PRIVATE=/vz/private/$VEID
CONFIGFILE="vps.basic"
DEF_OSTEMPLATE="fedora-core-4"

Load vzwdog module
VZWDOG="no"
IPV6="no"

IPTABLES="ipt_REJECT ipt_tos ipt_limit ipt_multiport iptable_filter iptable_mangle ipt_TCPMSS ipt_tcpmss ipt_ttl ipt_length"

/etc/resolv.conf in VE
nameserver 147.86.80.20
nameserver 147.86.80.21
nameserver 208.67.222.222

Subject: Re: OpenSuSE precreated no connectiviy
Posted by Vasily Tarasov on Wed, 25 Apr 2007 13:27:48 GMT
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1) cat /proc/sys/net/ipv4/ip_forward
2) can you ping google by IP address?
3) try to flush all iptables rules except NAT from VE.

Vasily.

Subject: Re: OpenSuSE precreated no connectiviy
Posted by goeldi on Wed, 25 Apr 2007 13:32:59 GMT
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1) /proc/sys/net/ipv4/ip_forward
1

2) can you ping google by IP address?
Yes!

3) try to flush all iptables rules except NAT from VE.

iptables is not running in the VE:

/usr/sbin/iptables -L -vn
Chain INPUT (policy ACCEPT 32 packets, 2544 bytes)
 pkts bytes target   prot opt in   out   source   destination

Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)
 pkts bytes target   prot opt in   out   source   destination

Chain OUTPUT (policy ACCEPT 33 packets, 1816 bytes)
 pkts bytes target   prot opt in   out   source   destination

Subject: Re: OpenSuSE precreated no connectiviy
Posted by Vasily Tarasov on Wed, 25 Apr 2007 13:46:45 GMT
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And how do you assign VE a nameserver? You should use vzctl set <veid> --nameserver <nameserver_ip>, rather when modifying /etc/resolv.conf in VE.

Please also provide
iptables -t nat -L -nv
output.

Thanks.

Subject: Re: OpenSuSE precreated no connectiviy
Posted by goeldi on Wed, 25 Apr 2007 13:50:59 GMT
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iptables -t nat -L -nv in HN:

Chain PREROUTING (policy ACCEPT 0 packets, 0 bytes)
 pkts bytes target   prot opt in   out   source   destination

Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)
 pkts bytes target   prot opt in   out   source   destination

Chain OUTPUT (policy ACCEPT 0 packets, 0 bytes)
 pkts bytes target   prot opt in   out   source   destination

---

Subject: Re: OpenSuSE precreated no connectiviy
Posted by Vasily Tarasov on Wed, 25 Apr 2007 13:57:51 GMT
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Ahem, I see that in your VE config file there is no NAMESERVER parameter! You should use
vzctl set <veid> --nameserver <NS> --save
command in order to set nameserver for VE!

Vasily.

Subject: Re: OpenSuSE precreated no connectiviy
Posted by goeldi on Wed, 25 Apr 2007 14:04:31 GMT
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OK:

/etc/vz/conf/481.conf now:

ONBOOT="yes"

# UBC parameters (in form of barrier:limit)
# Primary parameters
AVNUMPROC="40:40"
NUMPROC="65:65"
NUMTCPSOCK="80:80"
NUMOTHERSOCK="80:80"
VMGUARPAGES="6144:2147483647"
# Secondary parameters
KMEMSIZE="2752512:2936012"
TCPSNDBUF="319488:524288"
TCPRCVBUF="319488:524288"
OTHERSOCKBUF="132096:336896"
DGRAMRCVBUF="132096:132096"
OOMGUARPAGES="6144:2147483647"

```
# Auxiliary parameters
LOCKEDPAGES="32:32"
SHMPAGES="8192:8192"
PRIVVMPAGES="49152:53575"
NUMFILE="2048:2048"
NUMFLOCK="100:110"
NUMPTY="16:16"
NUMSIGINFO="256:256"
DCACHESIZE="1048576:1097728"

PHYSPAGES="0:2147483647"
NUMIPTENT="128:128"

# Disk quota parameters (in form of softlimit:hardlimit)
DISKSPACE="1048576:1153434"
DISKINODES="200000:220000"
QUOTATIME="0"

# CPU fair sheduler parameter
CPUUNITS="1000"
VE_ROOT="/vz/root/$VEID"
VE_PRIVATE="/vz/private/$VEID"
OSTEMPLATE="opensuse-10-i386-default"
ORIGIN_SAMPLE="vps.basic"
IP_ADDRESS="147.86.124.81"
IPTABLES="iptable_filter iptable_mangle ipt_limit ipt_multiport ipt_tos ipt_TOS ipt_REJECT
ipt_TCPMSS ipt_tcpmss ipt_ttl ipt_LOG ipt_length ip_conntrack ip_conntrack_ftp ip_conntrack_irc
ipt_conntrack ipt_state ipt_helper iptable_nat ip_nat_ftp ip_nat_irc ipt_REDIRECT"

NAMESERVER="208.67.222.222"
```

Still cannot ping to domain names, pinging to ips works.

Subject: Re: OpenSuSE precreated no connectiviy
Posted by Vasily Tarasov on Wed, 25 Apr 2007 14:10:38 GMT
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Can you ping DNS server IP address from VE? Do you use the same DNS for HN and for VE?
Can you give me an access to the node?

Vasily.

Subject: Re: OpenSuSE precreated no connectiviy
Posted by goeldi on Wed, 25 Apr 2007 14:16:13 GMT
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ping DNS: yes

same DNS: yes

access: Unfortunately not accessible from outside

Subject: Re: OpenSuSE precreated no connectiviy
Posted by Vasily Tarasov on Wed, 25 Apr 2007 14:28:33 GMT
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Hmm. And what output
nslookup google.com
in VE?

Thanks,
Vasily.

Subject: Re: OpenSuSE precreated no connectiviy
Posted by goeldi on Wed, 25 Apr 2007 14:43:14 GMT
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nslookup google.com
;; connection timed out; no servers could be reached

Subject: Re: OpenSuSE precreated no connectiviy
Posted by Vasily Tarasov on Wed, 25 Apr 2007 14:59:59 GMT
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What about two consequent commands:

nslookup google.com 208.67.222.222
nslookup google.com 195.85.81.128

please, do them on HN _and_ in VE too.

Subject: Re: OpenSuSE precreated no connectiviy
Posted by goeldi on Wed, 25 Apr 2007 15:06:01 GMT
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nslookup google.com 208.67.222.222 on HN:

Server: 208.67.222.222
Address: 208.67.222.222#53

Non-authoritative answer:
Name: google.com
Address: 72.14.207.99
Name: google.com
Address: 64.233.187.99
Name: google.com
Address: 64.233.167.99

nslookup google.com 195.85.81.128 on HN:
;; connection timed out; no servers could be reached

nslookup google.com 208.67.222.222 on VE:
;; connection timed out; no servers could be reached

nslookup google.com 195.85.81.128 on VE:
;; connection timed out; no servers could be reached

Subject: Re: OpenSuSE precreated no connectiviy
Posted by Vasily Tarasov on Wed, 25 Apr 2007 15:19:09 GMT
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Seems that there is a firewall on 208.67.222.222 or on some node between your HN and DNS. Can you check that?

For example you can stop all VEs, change IP address of your HN (147.86.124.80) to 147.86.124.81 temporary (VE's current IP) and try to do
nslookup google.com 208.67.222.222
on HN again.

Thanks/

Subject: Re: OpenSuSE precreated no connectiviy
Posted by goeldi on Wed, 25 Apr 2007 15:31:43 GMT
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There are 2 internal DNS which I tried in HN and VE: same effect. There is no Firewall between those DNS and this machine.

nslookup google.com 208.67.222.222 from HN when HN is .124.81 works perfect.

The two internal DNS I tried are 147.86.80.20 and 147.86.80.21.

Subject: Re: OpenSuSE precreated no connectiviy
Posted by Vasily Tarasov on Wed, 25 Apr 2007 15:51:45 GMT
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Ohhh... Something strange is happening in this world! =)

Ok, please, do the following: stop all VEs except the on in question. Start "tcpdump -n -i venet0" on HN and after that do
"nslookup google.com 208.67.222.222" on HN. Then post the output of tcpdump here.

Thanks.

Subject: Re: OpenSuSE precreated no connectiviy
Posted by goeldi on Fri, 27 Apr 2007 06:25:41 GMT
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tcpdump gives no output when I do that, except of this message at start time:

tcpdump: WARNING: arptype 65535 not supported by libpcap - falling back to cooked socket
tcpdump: WARNING: venet0: no IPv4 address assigned
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
listening on venet0, link-type LINUX_SLL (Linux cooked), capture size 96 bytes

BTW: I had to change /etc/sysconfig/network-scripts/ifcfg-venet0 from BOOTPROTO=dhcp to BOOTPROTO=static

Subject: Re: OpenSuSE precreated no connectiviy
Posted by goeldi on Fri, 27 Apr 2007 06:52:12 GMT
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Now it works, when I boot with a deactivated iptables. When I boot WITH iptables enabled and stop it afterwards, it doesn't. I think there is an issue with ip_conntracks which is not cleanly unloaded. Problem is: when I start iptables, it tells me:

```
 /sbin/service iptables start
Flushing firewall rules:                                [  OK  ]
Setting chains to policy ACCEPT: mangle filter          [  OK  ]
Unloading iptables modules:                             [FAILED]
Applying iptables firewall rules:                       [  OK  ]
Loading additional iptables modules: ip_conntrack_netbios_n[  OK  ]
```

When I stop it:

/sbin/service iptables stop
Flushing firewall rules: [OK]
Setting chains to policy ACCEPT: mangle filter [OK]
Unloading iptables modules: [FAILED]

dmesg:
ip_conntrack: parameter ip_conntrack_enable_ve0 is obsoleted. In ovzkernel >= 2.6.15 connection tracking on hardware node is enabled by default, use ip_conntrack_disable_ve0=1 parameter to disable.
ip_conntrack version 2.4 (8190 buckets, 65520 max) - 232 bytes per conntrack
VE: 481: started
eth0: no IPv6 routers present
lo: Disabled Privacy Extensions

And I get sporadic kernel panics:

File Attachments

1) Kernel_Panic.jpg, downloaded 1159 times

Subject: Re: OpenSuSE precreated no connectiviy
Posted by Vasily Tarasov on Sat, 28 Apr 2007 06:08:55 GMT
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Thank you for investigating, can you fill two bugs, please:

1st: if iptables are loaded during start up then DNS doesn't work after rules are flushed. Please, don't forget to add there information about kernel version and _rules_ that are in iptables on startup!

2nd: with kernel crash and when it happens.

Thank you,
your help is very appreciated,
Vasily
