
Subject: VPS doesn't work outside Node server
Posted by [xwinner](#) on Fri, 02 Mar 2007 15:59:05 GMT
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Hi everybody,

My node server is ok to join via http or ssh my VPS's
all of VPS can go outside node can ping "www.yahoo.fr"

But i can't access the apache of my VPS from external

For sample:

NODE server is 192.168.0.10

VPS101 is : 192.168.0.101

VPS102 is : 192.168.0.102

in VPS 101 i can ping all ip over internet or hostname

in Node i can ping the VPS101 and login on my VPS101 webmin or apache

But from another computer in my lan : 192.168.0.13, i can't access the VPS101 or VPS102 but
can access to the node server

I think is a route problem, but i can't solve it

Help !

Thanks

André

Subject: Re: VPS doesn't work outside Node server
Posted by [Vasily Tarasov](#) on Mon, 05 Mar 2007 15:29:46 GMT
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Hello,

If you ask such question, please, provide details:

```
# ip a l
# ip r l
# iptables -L
# iptables -t nat -L
# cat /proc/sys/net/ipv4/ip_forwarding
```

!!!these commands should be run in VE and on HN!!!

Thanks,

Vasily.

Subject: Re: VPS doesn't work outside Node server
Posted by [xwinner](#) on Tue, 06 Mar 2007 21:54:28 GMT
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Vasily Tarasov wrote on Mon, 05 March 2007 10:29Hello,

If you ask such question, please, provide details:

```
# ip a l
# ip r l
# iptables -L
# iptables -t nat -L
# cat /proc/sys/net/ipv4/ip_forwarding
```

!!!these commands should be run in VE and on HN!!!

Thanks,
Vasily.

in Node Server:

```
[root@scrameustache vz]# ip a l
2: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:0c:6e:40:24:1a brd ff:ff:ff:ff:ff:ff
        inet 192.168.0.10/24 brd 192.168.0.255 scope global eth0
            netmask 255.255.255.0
            broadcast 192.168.0.255
        4: eth1: <BROADCAST,MULTICAST> mtu 1500 qdisc noop qlen 1000
            link/ether 00:0c:6e:40:24:19 brd ff:ff:ff:ff:ff:ff
        6: 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 scope host lo
                netmask 255.0.0.0
        1: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
            link/void
        3: veth101.0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue
            link/ether 00:12:34:56:78:9b brd ff:ff:ff:ff:ff:ff
```

```
[root@scrameustache vz]# ip r l
192.168.0.101 dev veth101.0  scope link
192.168.0.101 dev venet0  scope link
192.168.0.0/24 dev eth0  proto kernel  scope link  src 192.168.0.10  metric 10
default via 192.168.0.1 dev eth0  metric 10
```

```
[root@scrameustache vz]# iptables -L
Chain Drop (1 references)
```

target	prot	opt	source	destination	
reject	tcp	--	anywhere	anywhere	tcp dpt:auth
dropBcast	all	--	anywhere	anywhere	
ACCEPT	icmp	--	anywhere	anywhere	icmp fragmentation-needed
ACCEPT	icmp	--	anywhere	anywhere	icmp time-exceeded
dropInvalid	all	--	anywhere	anywhere	
DROP	udp	--	anywhere	anywhere	multiport dports 135,microsoft-ds
DROP	udp	--	anywhere	anywhere	udp dpts:netbios-ns:netbios-ssn
DROP	udp	--	anywhere	anywhere	udp spt:netbios-ns dpts:1024:65535
DROP	tcp	--	anywhere	anywhere	multiport dports
135,netbios-ssn,microsoft-ds					
DROP	udp	--	anywhere	anywhere	udp dpt:1900
dropNotSyn	tcp	--	anywhere	anywhere	
DROP	udp	--	anywhere	anywhere	udp spt:domain

Chain INPUT (policy DROP)

target	prot	opt	source	destination	
ACCEPT	all	--	anywhere	anywhere	
Ifw	all	--	anywhere	anywhere	
eth0_in	all	--	anywhere	anywhere	
venet0_in	all	--	anywhere	anywhere	
veth101_0_in	all	--	anywhere	anywhere	
sit0_in	all	--	anywhere	anywhere	
eth1_in	all	--	anywhere	anywhere	
Reject	all	--	anywhere	anywhere	
LOG	all	--	anywhere	anywhere	LOG level info prefix
'Shorewall:INPUT:REJECT:'					
reject	all	--	anywhere	anywhere	

Chain FORWARD (policy DROP)

target	prot	opt	source	destination	
eth0_fwd	all	--	anywhere	anywhere	
venet0_fwd	all	--	anywhere	anywhere	
veth101_0_fwd	all	--	anywhere	anywhere	
sit0_fwd	all	--	anywhere	anywhere	
eth1_fwd	all	--	anywhere	anywhere	
Reject	all	--	anywhere	anywhere	
LOG	all	--	anywhere	anywhere	LOG level info prefix
'Shorewall:FORWARD:REJECT:'					
reject	all	--	anywhere	anywhere	

Chain Ifw (1 references)

target	prot	opt	source	destination	
RETURN	all	--	anywhere	anywhere	set ifw_wl src
DROP	all	--	anywhere	anywhere	set ifw_bl src
IFWLOG	all	--	anywhere	anywhere	state INVALID,NEW psd weight-threshold: 10 delay-threshold: 10000 lo-ports-weight: 1 hi-ports-weight: 2 IFWLOG prefix 'SCAN'
IFWLOG	udp	--	anywhere	anywhere	state NEW udp dpt:domain IFWLOG prefix

```

'NEW'
IFWLOG  tcp -- anywhere      anywhere      state NEW tcp dpt:http IFWLOG prefix
'NEW'
IFWLOG  tcp -- anywhere      anywhere      state NEW tcp dpt:https IFWLOG prefix
'NEW'
IFWLOG  tcp -- anywhere      anywhere      state NEW tcp dpt:domain IFWLOG prefix
'NEW'
IFWLOG  tcp -- anywhere      anywhere      state NEW tcp dpt:ssh IFWLOG prefix
'NEW'
IFWLOG  tcp -- anywhere      anywhere      state NEW tcp dpt:ftp-data IFWLOG prefix
'NEW'
IFWLOG  tcp -- anywhere      anywhere      state NEW tcp dpt:ftp IFWLOG prefix
'NEW'
IFWLOG  tcp -- anywhere      anywhere      state NEW tcp dpt:smtp IFWLOG prefix
'NEW'
IFWLOG  tcp -- anywhere      anywhere      state NEW tcp dpt:pop2 IFWLOG prefix
'NEW'
IFWLOG  tcp -- anywhere      anywhere      state NEW tcp dpt:pop3 IFWLOG prefix
'NEW'
IFWLOG  tcp -- anywhere      anywhere      state NEW tcp dpt:imap IFWLOG prefix
'NEW'
IFWLOG  tcp -- anywhere      anywhere      state NEW tcp dpt:10000 IFWLOG prefix
'NEW'
IFWLOG  tcp -- anywhere      anywhere      state NEW tcp dpt:4900 IFWLOG prefix

```

Chain OUTPUT (policy DROP)

target	prot	opt	source	destination
ACCEPT	all	--	anywhere	anywhere
fw2net	all	--	anywhere	anywhere
fw2loc	all	--	anywhere	anywhere
fw2loc	all	--	anywhere	anywhere
fw2loc	all	--	anywhere	anywhere
fw2loc	all	--	anywhere	anywhere
Reject	all	--	anywhere	anywhere
LOG	all	--	anywhere	anywhere
'Shorewall:OUTPUT:REJECT:'				
reject	all	--	anywhere	anywhere

Chain Reject (4 references)

target	prot	opt	source	destination
reject	tcp	--	anywhere	anywhere
dropBcast	all	--	anywhere	anywhere
ACCEPT	icmp	--	anywhere	anywhere
ACCEPT	icmp	--	anywhere	anywhere
dropInvalid	all	--	anywhere	anywhere
reject	udp	--	anywhere	anywhere
reject	udp	--	anywhere	anywhere
				tcp dpt:auth
				icmp fragmentation-needed
				icmp time-exceeded
				multiport dports 135,microsoft-ds
				udp dpts:netbios-ns:netbios-ssn

reject udp -- anywhere	anywhere	udp spt:netbios-ns dpts:1024:65535
reject tcp -- anywhere	anywhere	multiport dports 135,netbios-ssn,microsoft-ds
DROP udp -- anywhere	anywhere	udp dpt:1900
dropNotSyn tcp -- anywhere	anywhere	
DROP udp -- anywhere	anywhere	udp spt:domain
 Chain all2all (0 references)		
target prot opt source	destination	
ACCEPT all -- anywhere	anywhere	state RELATED,ESTABLISHED
Reject all -- anywhere	anywhere	
LOG all -- anywhere	anywhere	LOG level info prefix
`Shorewall:all2all:REJECT:'		
reject all -- anywhere	anywhere	
 Chain dropBcast (2 references)		
target prot opt source	destination	
DROP all -- anywhere	anywhere	PKTTYPE = broadcast
DROP all -- anywhere	anywhere	PKTTYPE = multicast
 Chain dropInvalid (2 references)		
target prot opt source	destination	
DROP all -- anywhere	anywhere	state INVALID
 Chain dropNotSyn (2 references)		
target prot opt source	destination	
DROP tcp -- anywhere	anywhere	tcp flags:!FIN,SYN,RST,ACK/SYN
 Chain dynamic (10 references)		
target prot opt source	destination	
 Chain eth0_fwd (1 references)		
target prot opt source	destination	
dynamic all -- anywhere	anywhere	state INVALID,NEW
net2all all -- anywhere	anywhere	
net2all all -- anywhere	anywhere	
net2all all -- anywhere	anywhere	
net2all all -- anywhere	anywhere	
 Chain eth0_in (1 references)		
target prot opt source	destination	
dynamic all -- anywhere	anywhere	state INVALID,NEW
net2fw all -- anywhere	anywhere	
 Chain eth1_fwd (1 references)		
target prot opt source	destination	
dynamic all -- anywhere	anywhere	state INVALID,NEW
loc2net all -- anywhere	anywhere	
ACCEPT all -- anywhere	anywhere	

ACCEPT all -- anywhere	anywhere	
ACCEPT all -- anywhere	anywhere	
Chain eth1_in (1 references)		
target prot opt source	destination	
dynamic all -- anywhere	anywhere	state INVALID,NEW
loc2fw all -- anywhere	anywhere	
Chain fw2loc (4 references)		
target prot opt source	destination	
ACCEPT all -- anywhere	anywhere	state RELATED,ESTABLISHED
ACCEPT all -- anywhere	anywhere	
Chain fw2net (1 references)		
target prot opt source	destination	
ACCEPT all -- anywhere	anywhere	state RELATED,ESTABLISHED
ACCEPT all -- anywhere	anywhere	
Chain loc2fw (4 references)		
target prot opt source	destination	
ACCEPT all -- anywhere	anywhere	state RELATED,ESTABLISHED
ACCEPT all -- anywhere	anywhere	
Chain loc2net (4 references)		
target prot opt source	destination	
ACCEPT all -- anywhere	anywhere	state RELATED,ESTABLISHED
ACCEPT all -- anywhere	anywhere	
Chain net2all (5 references)		
target prot opt source	destination	
ACCEPT all -- anywhere	anywhere	state RELATED,ESTABLISHED
Drop all -- anywhere	anywhere	
LOG all -- anywhere	anywhere	LOG level info prefix
`Shorewall:net2all:DROP:'		
DROP all -- anywhere	anywhere	
Chain net2fw (1 references)		
target prot opt source	destination	
ACCEPT all -- anywhere	anywhere	state RELATED,ESTABLISHED
ACCEPT udp -- anywhere	anywhere	udp dpt:domain
ACCEPT tcp -- anywhere	anywhere	multiport dports
http,https,domain,ssh,ftp-data,ftp,smtp,pop2,pop3,imap,10000 ,4900		
net2all all -- anywhere	anywhere	
Chain reject (10 references)		
target prot opt source	destination	
DROP all -- anywhere	anywhere	PKTTYPE = broadcast
DROP all -- anywhere	anywhere	PKTTYPE = multicast

```

DROP    all -- 192.168.0.255      anywhere
DROP    all -- 255.255.255.255    anywhere
DROP    all -- BASE-ADDRESS.MCAST.NET/4 anywhere
REJECT  tcp -- anywhere         anywhere      reject-with tcp-reset
REJECT  udp -- anywhere         anywhere      reject-with icmp-port-unreachable
REJECT  icmp -- anywhere        anywhere     reject-with icmp-host-unreachable
REJECT  all -- anywhere         anywhere     reject-with icmp-host-prohibited

Chain shorewall (0 references)
target  prot opt source          destination

Chain sit0_fwd (1 references)
target  prot opt source          destination
dynamic all -- anywhere          anywhere      state INVALID,NEW
loc2net all -- anywhere          anywhere
ACCEPT  all -- anywhere          anywhere
ACCEPT  all -- anywhere          anywhere
ACCEPT  all -- anywhere          anywhere

Chain sit0_in (1 references)
target  prot opt source          destination
dynamic all -- anywhere          anywhere      state INVALID,NEW
loc2fw  all -- anywhere          anywhere

Chain smurfs (0 references)
target  prot opt source          destination
LOG    all -- 192.168.0.255      anywhere      LOG level info prefix
`Shorewall:smurfs:DROP:'
DROP   all -- 192.168.0.255      anywhere
LOG    all -- 255.255.255.255    anywhere      LOG level info prefix
`Shorewall:smurfs:DROP:'
DROP   all -- 255.255.255.255    anywhere
LOG    all -- BASE-ADDRESS.MCAST.NET/4 anywhere      LOG level info prefix
`Shorewall:smurfs:DROP:'
DROP   all -- BASE-ADDRESS.MCAST.NET/4 anywhere

Chain venet0_fwd (1 references)
target  prot opt source          destination
dynamic all -- anywhere          anywhere      state INVALID,NEW
loc2net all -- anywhere          anywhere
ACCEPT  all -- anywhere          anywhere
ACCEPT  all -- anywhere          anywhere
ACCEPT  all -- anywhere          anywhere

Chain venet0_in (1 references)
target  prot opt source          destination
dynamic all -- anywhere          anywhere      state INVALID,NEW
loc2fw  all -- anywhere          anywhere

```

```
Chain veth101_0_fwd (1 references)
target  prot opt source          destination
dynamic  all -- anywhere        anywhere      state INVALID,NEW
loc2net  all -- anywhere        anywhere
ACCEPT   all -- anywhere        anywhere
ACCEPT   all -- anywhere        anywhere
ACCEPT   all -- anywhere        anywhere
```

```
Chain veth101_0_in (1 references)
target  prot opt source          destination
dynamic  all -- anywhere        anywhere      state INVALID,NEW
loc2fw   all -- anywhere        anywhere
```

```
[root@scrameustache vz]# 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
```

```
[root@scrameustache vz]# cat /proc/sys/net/ipv4/ip_forward
1
```

IN VPS:

```
[root@scrameustache vz]# vzctl enter 101
entered into VE 101
[root@vps101 /]# ip a l
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> mtu 1500 qdisc noop
    link/void
5: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue
    link/ether 00:12:34:56:78:9a brd ff:ff:ff:ff:ff:ff
    inet 192.168.0.101/32 scope global eth0
```

```
[root@vps101 /]# ip r l
default dev eth0  scope link
```

```
[root@vps101 /]# 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@vps101 /]# iptables -t nat -L

iptables v1.3.3: can't initialize iptables table `nat': Table does not exist (do you need to insmod?)
Perhaps iptables or your kernel needs to be upgraded.

[root@vps101 /]# cat /proc/sys/net/ipv4/ip_forward

1

Voilà

it's a long post now

THanks,

André

Subject: Re: VPS doesn't work outside Node server

Posted by [Vasily Tarasov](#) on Wed, 07 Mar 2007 07:29:13 GMT

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Thanks for information, you've posted.

1) This seems to be strange for me:

```
[root@scrameustache vz]# ip r l  
192.168.0.101 dev veth101.0 scope link  
192.168.0.101 dev venet0 scope link  
192.168.0.0/24 dev eth0 proto kernel scope link src 192.168.0.10 metric 10  
default via 192.168.0.1 dev eth0 metric 10
```

Please, remove routing via venet: you don't use this interface as far as I understand. Note, that this line will automatically appear if you did some time `vzctl set <veid> --ipadd` and config file of VE in question contents IP_ADDRESS="...". So check that it doesn't happen.

2) Also, please, turn off iptables for a while, and check, does it solve the problem.

Thanks,

Vasily

Subject: Re: VPS doesn't work outside Node server
Posted by [xwinner](#) on Sat, 10 Mar 2007 16:23:55 GMT
[View Forum Message](#) <> [Reply to Message](#)

Vasily Tarasov wrote on Wed, 07 March 2007 02:29Thanks for information, you've posted.

1) This seems to be strange for me:

```
[root@scrameustache vz]# ip r |  
192.168.0.101 dev veth101.0 scope link  
192.168.0.101 dev venet0 scope link  
192.168.0.0/24 dev eth0 proto kernel scope link src 192.168.0.10 metric 10  
default via 192.168.0.1 dev eth0 metric 10
```

Please, remove routing via venet: you don't use this interface as far as I understand. Note, that this line will automatically appear if you did some time `vzctl set <veid> --ipadd` and config file of VE in question contents IP_ADDRESS="...". So check that it doesn't happen.

2) Also, please, turn off iptables for a while, and check, does it solve the problem.

Thanks,
Vasily

Thanks, i don't know how exactly remove venet route, is it only in the vps101.conf ?

this is my vps101.conf:

```
#  
# It under the terms of the GNU General Public License as published by  
#  
# This program is distributed in the hope that it will be useful,  
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
# GNU General Public License for more details.  
#  
# You should have received a copy of the GNU General Public License  
# Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA  
#
```

ONBOOT=yes

```
# 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

DISKSPACE=4500000:4500000
DISKINODES=200000:220000
QUOTATIME=0

# CPU fair scheduler parameter
CPUUNITS=1000
VE_ROOT=/vz/root/$VEID
VE_PRIVATE=/vz/private/$VEID
OSTEMPLATE=mandriva-2006-i386-minimal
ORIGIN_SAMPLE=vps.basic
#IP_ADDRESS="192.168.0.101"
HOSTNAME="vps101.localdomain."
NAMESERVER="192.168.0.10"
NETIF=ifname=eth0,mac=00:12:34:56:78:9A,host_ifname=veth101.
0,host_mac=00:12:34:56:78:9B
```

Subject: Re: VPS doesn't work outside Node server
Posted by [Vasily Tarasov](#) on Sun, 11 Mar 2007 07:29:49 GMT
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Hello,

I see, that your VE config file has commented line IP_ADDRESS="..", so the routing rule in question should not appear on VE start. But the rule could appear earlier, and if you edited VE

config manually while VE start the rule stays in routing table "permanently" (well, I mean, that `vzctl stop` will not remove this rule) So, please, do it manually:
ip r d 192.168.0.101 dev venet0
and then check that the rule is disappeared.

HTH,
Vasily

Subject: Re: VPS doesn't work outside Node server
Posted by [xwinner](#) on Sun, 11 Mar 2007 12:26:47 GMT
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Vasily Tarasov wrote on Sun, 11 March 2007 02:29Hello,

I see, that your VE config file has commented line IP_ADDRESS="..", so the routing rule in question should not appear on VE start. But the rule could appear earlier, and if you edited VE config manually while VE start the rule stays in routing table "permanently" (well, I mean, that `vzctl stop` will not remove this rule) So, please, do it manually:
ip r d 192.168.0.101 dev venet0
and then check that the rule is disappeared.

HTH,
Vasily

Hello,

this is what I try, is it right ?

```
[root@scrameustache init.d]# ip r d 192.168.0.101 dev venet0
RTNETLINK answers: No such process
[root@scrameustache init.d]# ./vz stop
Shutting down VE 101
Stopping OpenVZ: [ OK ]
[root@scrameustache init.d]# ./vz start
Starting OpenVZ: [ OK ]
Bringing up interface venet0: [ OK ]
Configuring interface venet0: [ OK ]
Configure node UB resources: [ OK ]
Starting VE 101: [ OK ]
[root@scrameustache init.d]# ip r d 192.168.0.101 dev venet0
RTNETLINK answers: No such process
```

BUT, the vps works, if i make this script:

```
#!/bin/sh
# Script name : ServerConfig
```

```
# Configuration du serveur au démarrage du serveur

# [Console Serveur Principal]

ifconfig veth101.0 0
echo 1 > /proc/sys/net/ipv4/conf/veth101.0/forwarding
echo 1 > /proc/sys/net/ipv4/conf/veth101.0/proxy_arp
echo 1 > /proc/sys/net/ipv4/conf/eth0/forwarding
echo 1 > /proc/sys/net/ipv4/conf/eth0/proxy_arp

vzctl exec 101 /sbin/ifconfig eth0 0
vzctl exec 101 /sbin/ip addr add 192.168.0.101 dev eth0
vzctl exec 101 /sbin/ip route add default dev eth0

ip route append 192.168.0.101 dev veth101.0
ip route del 192.168.0.101 dev venet0

./etc/rc.d/init.d/iptables stop
./etc/rc.d/init.d/iptables start
# End
```

This script can help me to run vps fine but i think this is not a clean procedure. If I reboot it works only if I start it via rc.local with this commande:

```
echo /vz/ServerConfig | at now + 1 minutes
```

note: iptables stop & start is your good idea without this stop and start, the vps doesn't work on reboot
