

---

Subject: Re: VPS doesn't work outside Node server  
Posted by [xwinner](#) on Tue, 06 Mar 2007 21:54:28 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

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
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
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            tcp dpt:auth
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
'NEW'

```

#### 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
Reject all -- anywhere anywhere
LOG all -- anywhere anywhere LOG level info prefix
`Shorewall:OUTPUT:REJECT:`
reject all -- anywhere anywhere

```

#### Chain Reject (4 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
reject udp -- anywhere anywhere multiport dports 135,microsoft-ds
reject udp -- anywhere anywhere 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	state
dynamic	all	--	anywhere	anywhere	INVALID,NEW
loc2fw	all	--	anywhere	anywhere	

Chain fw2loc (4 references)

target	prot	opt	source	destination	state
ACCEPT	all	--	anywhere	anywhere	RELATED,ESTABLISHED
ACCEPT	all	--	anywhere	anywhere	

Chain fw2net (1 references)

target	prot	opt	source	destination	state
ACCEPT	all	--	anywhere	anywhere	RELATED,ESTABLISHED
ACCEPT	all	--	anywhere	anywhere	

Chain loc2fw (4 references)

target	prot	opt	source	destination	state
ACCEPT	all	--	anywhere	anywhere	RELATED,ESTABLISHED
ACCEPT	all	--	anywhere	anywhere	

Chain loc2net (4 references)

target	prot	opt	source	destination	state
ACCEPT	all	--	anywhere	anywhere	RELATED,ESTABLISHED
ACCEPT	all	--	anywhere	anywhere	

Chain net2all (5 references)

target	prot	opt	source	destination	state
ACCEPT	all	--	anywhere	anywhere	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	state
ACCEPT	all	--	anywhere	anywhere	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