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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
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
'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	
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	
dropBcast	all	--	anywhere	anywhere	tcp dpt:auth
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	
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