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Subject: **\*\*FIXED\*\*** DNS not working in VE  
Posted by [jchamilton](#) on Wed, 12 Jul 2006 21:51:34 GMT  
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I've searched the forum, wiki, and mailing lists and the only thread I could find in which the issue is "solved" is here: <http://forum.openvz.org/index.php?t=tree&th=761&mid=3947&&rev=&reveal=>

The problem is I cannot get a response for DNS queries executed from my VE's if iptables is running on the HN.

I have ip\_conntrack enabled in /etc/modules.conf

I have a nameserver config'd in /etc/resolv.conf

nsswitch.conf has "hosts: files dns"

I can connect to the VE via ssh. (using IP addr)

I can connect to other machines on the network from the VE via ssh. (using IP addr)

If iptables is stopped, DNS lookups on the VE work. (using ping, dig, and getent)

If iptables is running dig gives the error: "connection timed out; no servers could be reached" even if I specify the nameserver on the command line.

If iptables is running ping just says: "unknown host ..."

I'm pretty sure at one point it was working though and that's what really mystifies me...

I've also restarted vz and iptables on the HN with no joy.

Here's what the firewall tables look like:

Table: nat

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
```

Table: mangle

Chain PREROUTING (policy ACCEPT)

```
target  prot opt source          destination
```

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
```

Chain POSTROUTING (policy ACCEPT)

```
target  prot opt source          destination
```

Table: filter

Chain INPUT (policy ACCEPT)

target	prot	opt	source	destination
RH-Firewall-1-INPUT	all	--	0.0.0.0/0	0.0.0.0/0

Chain FORWARD (policy ACCEPT)

target	prot	opt	source	destination
RH-Firewall-1-INPUT	all	--	0.0.0.0/0	0.0.0.0/0

Chain OUTPUT (policy ACCEPT)

target	prot	opt	source	destination
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Chain RH-Firewall-1-INPUT (2 references)

target	prot	opt	source	destination	
ACCEPT	all	--	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
ACCEPT	esp	--	0.0.0.0/0	0.0.0.0/0	
ACCEPT	ah	--	0.0.0.0/0	0.0.0.0/0	
ACCEPT	udp	--	0.0.0.0/0	224.0.0.251	udp dpt:5353
ACCEPT	udp	--	0.0.0.0/0	0.0.0.0/0	udp dpt:631
ACCEPT	all	--	0.0.0.0/0	0.0.0.0/0	state RELATED,ESTABLISHED
ACCEPT	tcp	--	0.0.0.0/0	0.0.0.0/0	state NEW tcp dpt:80
ACCEPT	tcp	--	0.0.0.0/0	0.0.0.0/0	state NEW tcp dpt:443
ACCEPT	tcp	--	0.0.0.0/0	0.0.0.0/0	state NEW tcp dpt:22
ACCEPT	tcp	--	0.0.0.0/0	0.0.0.0/0	state NEW tcp dpt:25
ACCEPT	tcp	--	0.0.0.0/0	0.0.0.0/0	state NEW tcp dpt:139
ACCEPT	tcp	--	0.0.0.0/0	0.0.0.0/0	state NEW tcp dpt:445
REJECT	all	--	0.0.0.0/0	0.0.0.0/0	reject-with icmp-host-prohibited

Both the host and guest OS are CentOS 4.

Any ideas other than turn off the firewall?

jch